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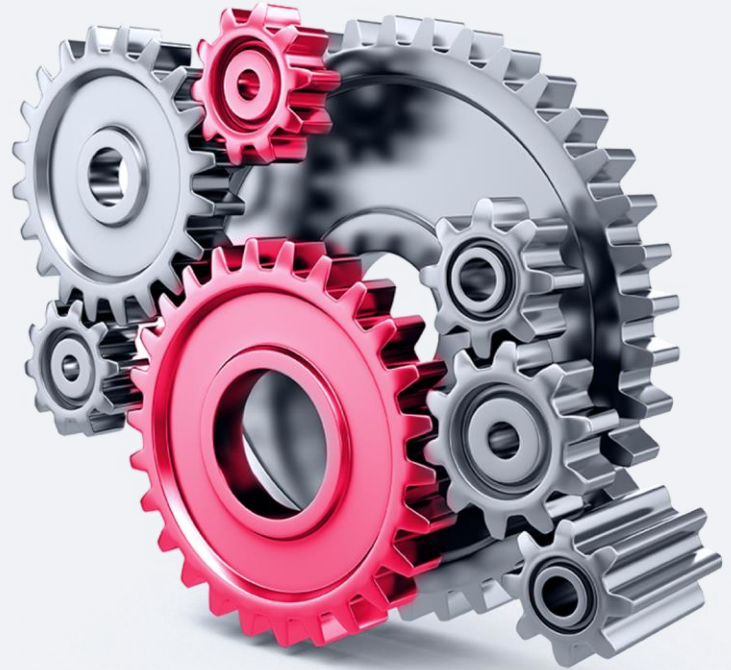# Company Profile

QA and Testing

Elinext Company Overview

Since 1997

In custom software development

7

Development centers in Europe and Asia

700+

In-house employees 85% are software engineers

300+

Clients worldwide

Focus on specific domains:

- Web & Mobile Apps
- UI/UX Design
- CRM & Customer Engagement
- ERP & Asset Management
- IoT & Infrastructure Management
- Cloud Computing & SaaS Development
- Blockchain
- DevOps

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Quality Certified

Ensured by Elinext Management System:

Certified Quality Management

Certified Information Security Management

Google Cloud Certified

AWS Certified

MS Azure Certified

Proven by dedicated external audits:

- Code Review
- Static Analysis
- Dynamic analysis
- QA and unit-tests
- Continuous Integration
- Rules and processes

Continuous competence development:

- Best-practice and knowledge sharing in onboarding process.
- Professional trainings, including external courses.
- Developer conferences and international hackathons

Our QA teams adhere to industry best practices and standards, including:

ISO 9001:2008

TMMI

ISO/IEC/IEEE 29119

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Zeroing in on QA Experience

50

QA and testing engineers

3,5 mln

Tests executed

750,000

Test cases

27

Years of experience

Methodologies we have mastered

- Scrum
- Kanban
- Waterfall
- Spiral
- Iterative
- V-model

Domains we serve

In addition to solid technical background, our QA engineers have profound domain understanding to help clients solve their industry-specific challenges across:

- Healthcare
- Finances
- Manufacturing
- Telecom

- Insurance
- Education
- Logistics
- eCommerce

- Media
- Sports
- Gaming
- Others

Application types we test

- Web
- Mobile
- Desktop
- API

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QA and Testing Tools

Technologies and programming languages

Java

Python

PHP

HTML

CSS

XML

.NET/C#

C/C++

Javascript

WSDL

XSD

RUBY

JSON

REST

SOAP

ASP.NET

C#

Databases

MS SQL

MySQL

PostgreSQL

Oracle

MongoDB

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QA and Testing Tools

Project and test management tools

Zephyr

Atlassian Confluence

Trello

MSOffice Project

Microsoft TFS

TestRail

HP Quality Center

Mantis

Bugzilla

TestLink

JIRA

Bamboo

Rally

Redmine

Automation tools

Selenium WebDriver

HP QTP

Test Complete

Maven

Jenkins

TeamCity

JMeter

Bamboo

SoapUI

Automation frameworks

Appium

TestNG

jUnit

ReportNG

Robot

uiautomator

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Ensuring Your Solution Works as Intended

Functional testing	Unit testing	Integration testing	Smoke testing
	Sanity testing	System testing	Regression testing
	User acceptance testing	API testing	Black\white-box testing
	Component testing	UI testing	

Guaranteeing Optimal Performance and User Satisfaction

Non-functional testing

✚ Load testing	✚ Stress testing	✚ Volume testing
✚ Security testing	✚ Compatibility testing	✚ Performance testing
✚ Reliability testing	✚ Scalability testing	✚ Recovery testing
✚ Usability testing	✚ Localization testing	✚ Compliance testing
✚ Portability testing		

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QA Value at Each Stage of SDLC

1 Requirements analysis

- Assessing requirements from the quality perspective to identify potential issues
- Ensuring that requirements are clear, unambiguous, and measurable
- Defining the testing strategy, release cycles, and the scope of QA activities

2 Design

- Supporting the UX team in their understanding of the existing functionality (especially for long-term projects)
- Identifying design aspects that might cause problems

3 Development

- Reviewing functionality and preparing test environment
- Collaborating with developers to prevent incorrect implementation
- Preparing draft test cases and checklists to accelerate the testing phase

4 Testing

- Writing and executing checklists or test cases
- Tracking project changes and updating test documentation
- Preparing an execution report with detailed description of acceptance criteria, tested functionality, used platforms and environments, etc.

5 Deployment

- PDC (Post Deployment Cases) testing to ensure all key features work as expected
- User acceptance testing
- Supporting the deployment process as a knowledge keeper

6 Maintenance

- Assisting the support team in investigating client reports and incidents
- Identifying the root cause of problems

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Why Elinext?

End-to-end project involvement

We have experience working in highly regulated domains like healthcare and finance with maximum engagement of our QA experts at every stage.

Unique testing skills

Our QA engineers are not only equipped with the full gamut of standard testing skills, but they also have experience with niche use cases and cutting-edge technology like applications for industrial robots.

Automated CI/CD

As early adopters of CI/CD, we utilize this approach to accelerate and improve reliability of automated tests while providing the development team with fast feedback.

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Proprietary Test Management System

Drawing from our 2+ decades of QA expertise, we are developing an in-house test management system that will provide clients with all relevant test documentation and comprehensive reports.

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Document Management System For Clinical Trials

This large-scale project is a modular software platform that allows life sciences companies to streamline the execution and commercialization of global clinical trials and collaborate on partnerships while reducing administrative burdens.
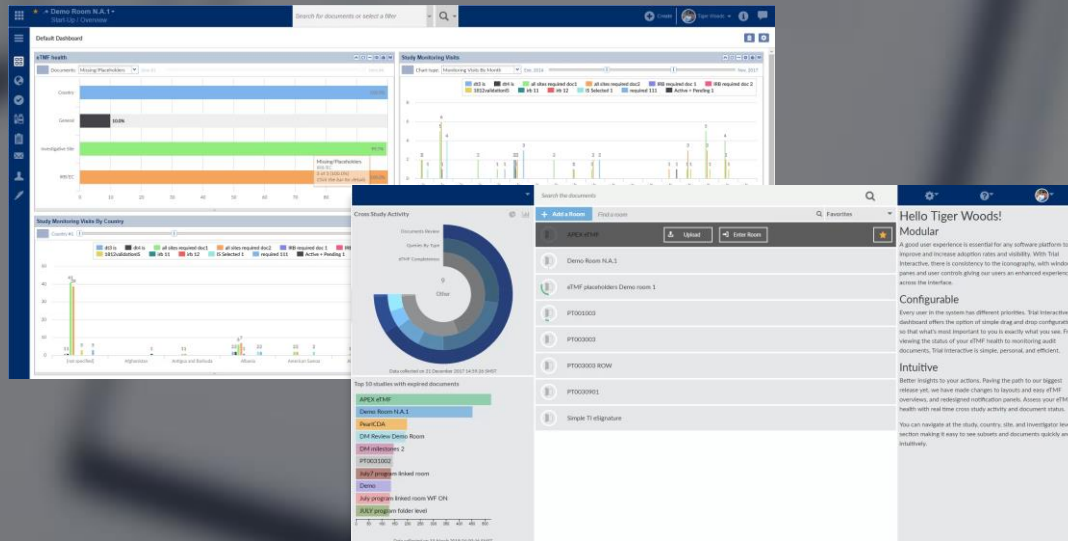Learn More ->

Features

- 25000+ test cases, 7000+ automated cases
- CI\CD for QA and production instances
- Automated PDC and UAT
- Integration testing for dozens of integrated external solutions
- 18+ production instances with different versions

Technologies

- C#
- ANGULAR
- .NET
- EXTJS
- SVN
- GIT
- CAS

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Healthcare Data Anonymization Platform

The solution is a fully functional website and a remote UNIX-server. It enables healthcare organizations to quickly and easily apply a risk-based responsible de-identification methodology. It ensures individual privacy and legal compliance while process management and automatization.
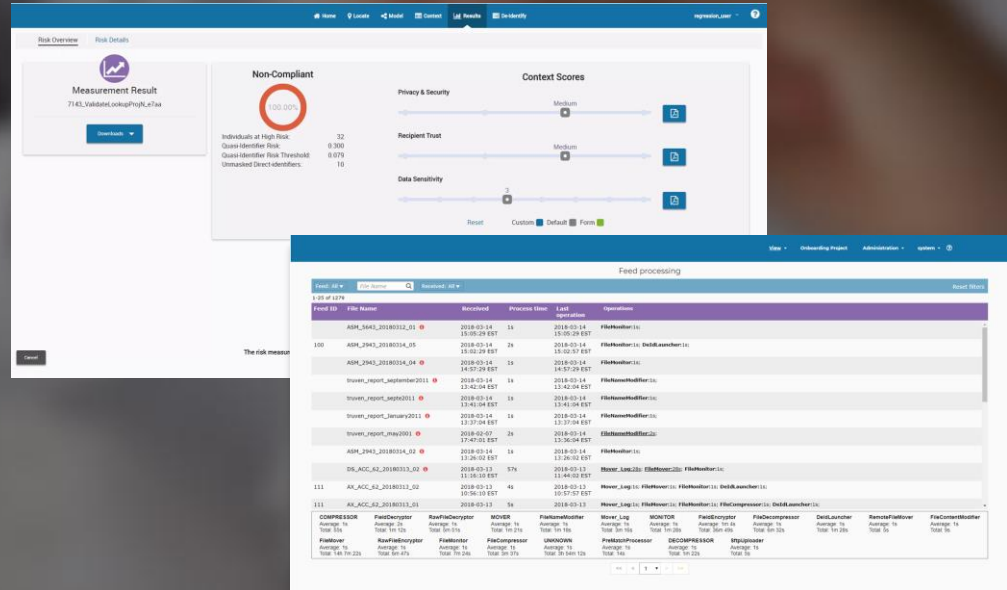
Learn More ->

Features

- Manual and automated QA
- UI migration
- Cross platform testing
- Visualization when controlling data processing
- UNIX processes management using GUI
- Detailed reports to customer and Data partners

Technologies

- JAVA
- SPRING
- MYSQL
- JUNIT
- HIBERNATE
- APACHE

Global Payroll Management Software

The Elinext team is working on the MVP for a SaaS-based payroll management solution. The solution leverages two data processing systems (in Frankfurt and Beijing), mirroring each other to enable data exchange between two jurisdictions.
Learn More ->

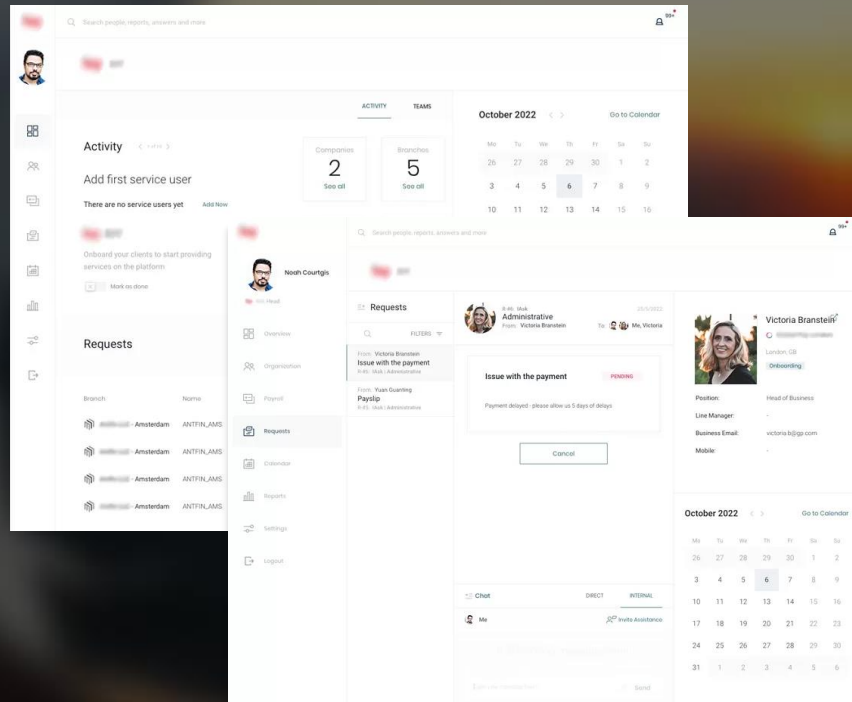## Features

- The Overview module with key information about the account
- The Organization module for configuring the company structure.
- The Payroll module that enables payroll activation for employees
- The Calendar module with all the dates related to payroll
- Dashboards and reporting

Technologies

- NEST.JS
- REDUX
- NODE.JS
- REACT.JS
- STYLELINT
- SOCKET.IO
- POSTGRESQL
- TYPESCRIPT

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B2B Online Payment Platform

When the client hit a major project roadblock with the previous vendor, Elinext came to the rescue. After architecture re-writing, refactoring and feature enhancement, we delivered a fully-functional online payment solution, tested from end to end by our QA experts.
Learn More ->

Features

- A customizable widget that can be integrated with a website/mobile app
- An admin portal that generates access tokens
- Supporting Mastercard, Visa, Paypal, Klarna, SEPA, etc.
- Accepting payments in 10 currencies
- Automated recurring payments
- Compliance with PCI and GDPR

Technologies

- NEST.JS
- AWS
- NODE.JS
- REACT.JS
- JAVASCRIPT
- REACT NATIVE
- DYNAMODB
- TYPESCRIPT

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Financial Risk Management Software

The Elinext team delivered a complex financial risk management system consisting of two apps - one for calculating multi-currency-associated risks and the other for pinpointing the real cost of loans and assets over time.

Learn More ->

Features

- Company and entity setup
- Hedge accounting dashboard
- Hedge item and trade management
- Role-based access controls
- Regular and RTZ reports
- Period close module

Technologies

- HIBERNATE
- TOMCAT
- JAVA
- GWT/GXT
- SPRING
- MONGODB
- ANGULAR JS
- IBATIS
- POSTGRESQL
- REST WEB SERVICES

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ESG Software For Employees

The project is an ESG solution that consists of a web app and a mobile app, and serves a channel through which employees can systematically signal to their employers how they feel about their workplace.
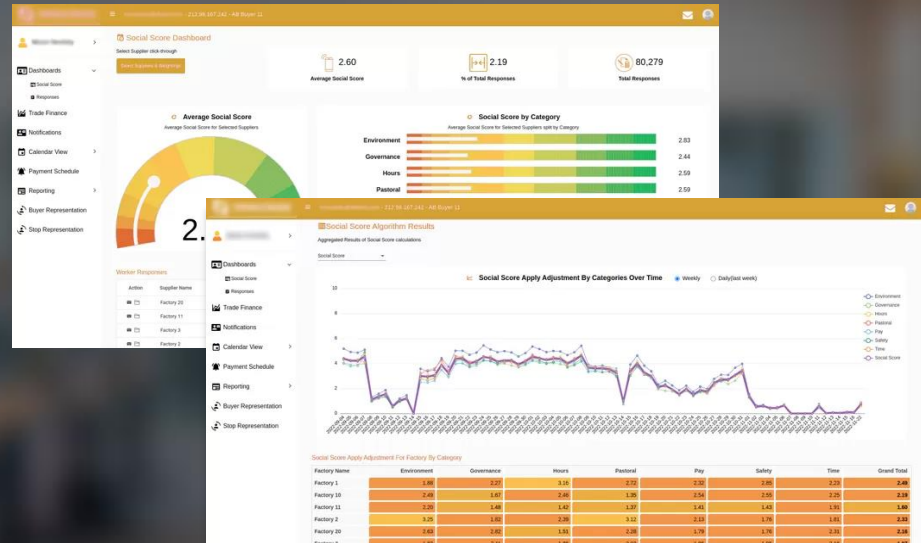
Learn More ->

Features

- The employee module with surveys
- The employer module with reports and configurations
- Social score dashboard that tracks various workplace aspects like the environment, governance, work hours, pay, safety and more
- Compliance reward system

Technologies

- JAVA
- SPRING
- FLEXMONSTER
- SYNCFUSION
- ANGULAR

Contract Management Software For Bond Trading

With 22 people on board, the Elinext team delivered a high-performing solution with complex architecture that automates contracts creation and allows multiple parties to collaborate on finalizing them.
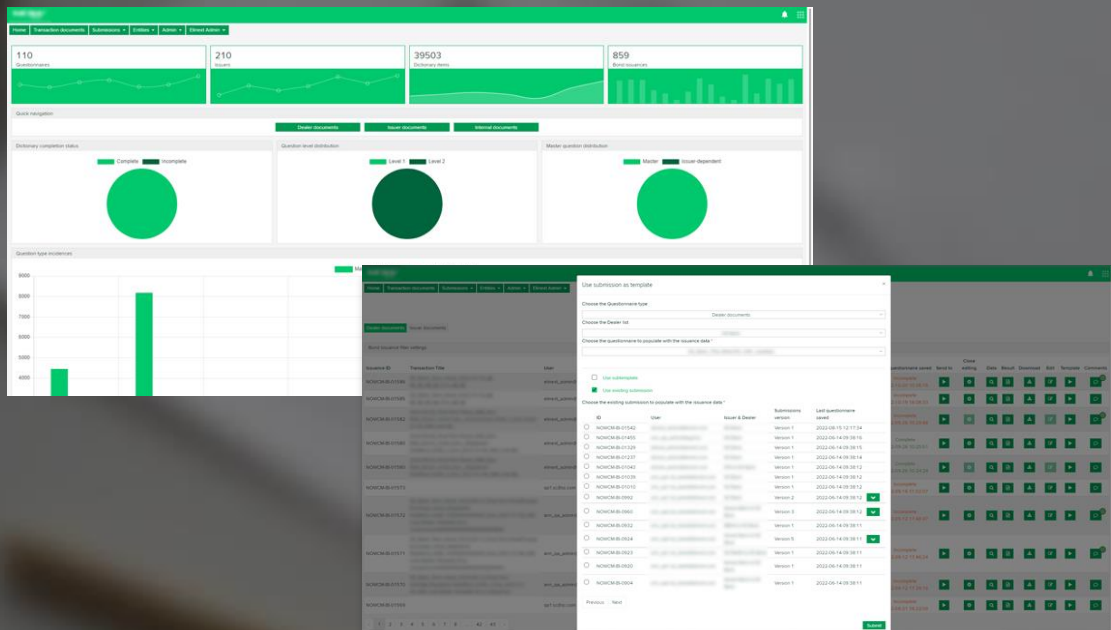Learn More ->

Features

- Template module for managing templates and questionnaires
- Contracts and Documents module to convert questionnaires into documents
- Collaboration module to enable multiple users to work together
- Management module for setting up user roles and permission

Technologies

- SELENIUM
- MAILGUN
- JAVA
- C++
- JQUERY
- LARAVEL
- PHP
- REACT
- JENKINS
- MARIADB

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Cash And Liquidity Management App

Developing a solution for managing and monitoring short-term funding requirements based on transaction history. Our senior BA worked closely with the stakeholders to translate high-level financial requirements into detailed technical specs.
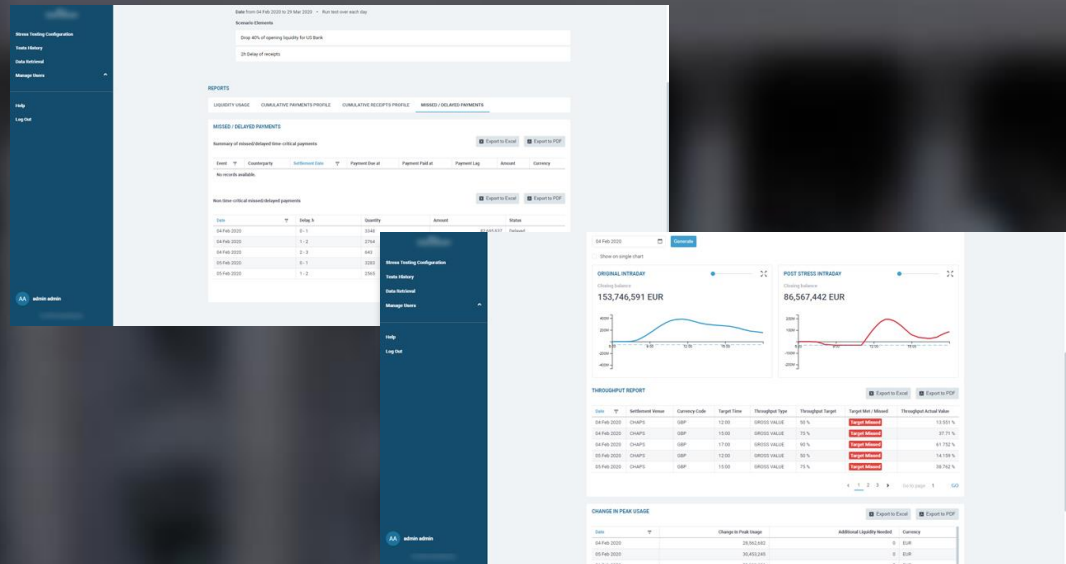
Learn More ->

Features

- Consolidating financial transactions from internal and external sources
- Running a comprehensive stress scenario
- Compliance with the BCBS 248 intraday liquidity management framework
- Microservices-based architecture

Technologies

- JAVA
- SPRING
- KUBERNETES
- PROMETHEUS
- ANGULAR
- MONGODB
- POSTGRESQL

CLIENT

A British fintech company

Remote Network And Router Management Platform

The project is a software platform for seamless subscriber management and end-to-end network visibility. It consists of a website, a set of analytics tools and a command-line interface. The system processes around 1,000,000 payloads from 1,000,000 routers per second.
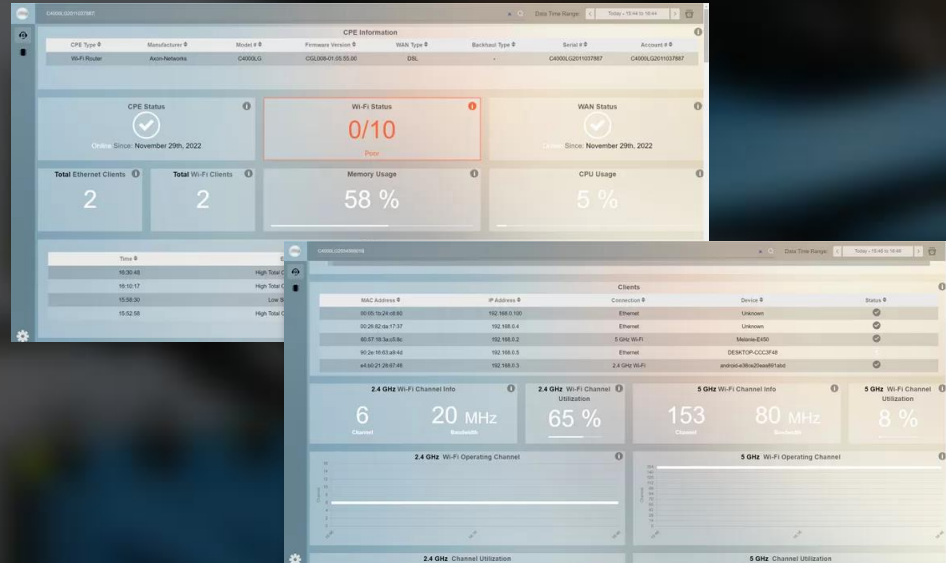
Learn More ->

Features

- Microservices-based architecture to support huge data throughput and scalability
- Cloud adapters for routers (CPE) and firmware
- Real-time analytics
- Compliance with telecommunication standards

Technologies

- GO
- KUBERNETES
- JAVA
- KOTLIN
- POSTGRESQL
- SPRING
- AWS S3
- REACT
- PYTHON
- MONGODB

Mobile App for Electric Vehicles Charging Solution

A Switzerland-based company that specializes in creating innovative EV charging solutions

The client engaged Elinext to develop a fully-featured iOS-based mobile app to simplify the charging process for the owners of green cars. The project also included a web app for telemetry.
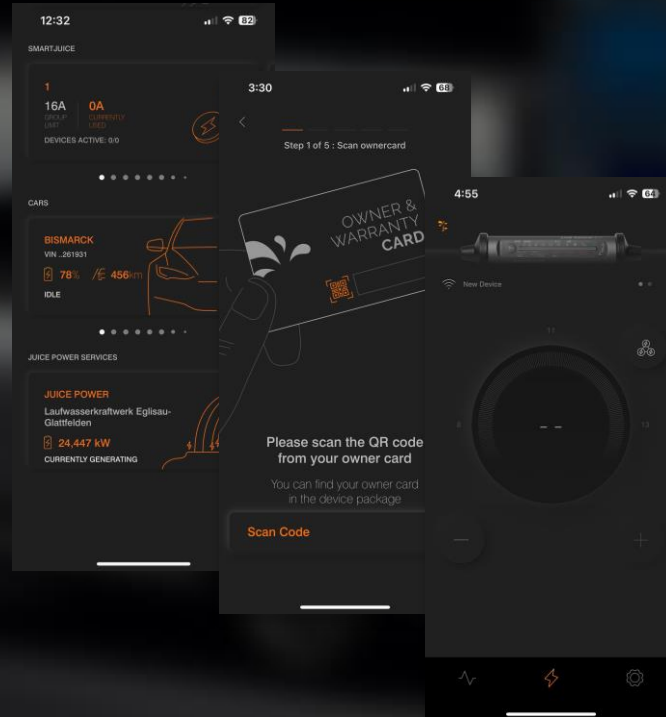
Learn More ->

Features

- Device management
- Controls and charge restrictions
- The device's status
- Options to choose a specific current strength
- Total energy and charging duration
- Power and voltage per phase
- Charging history

Technologies

- KOTLIN
- SWIFT
- FOUNDATION
- UIKIT
- COCOALUMBERJACK
- SNAPKIT
- RETROFIT
- TEAMCITY

CI/CD Optimization And Automation

Working with a wide range of infrastructure solutions, the client tasked the Elinext team with developing an automated and easy-to-maintain CI/CD pipeline. The resulting solution has led to reducing the development by 40%.
Learn More ->

Features

- CI/CD pipeline customization according to project needs
- Fast and easy components configuration
- The ability to skip certain build stages

Technologies

- JENKINS
- GROOVY

CLIENT

A global technology company that delivers infrastructure management solutions

Elinext CV Manager

An internal applicant tracking system that brings visibility into the recruitment pipeline, facilitates efficient management of candidates and vacancies, and accelerates the hiring process.
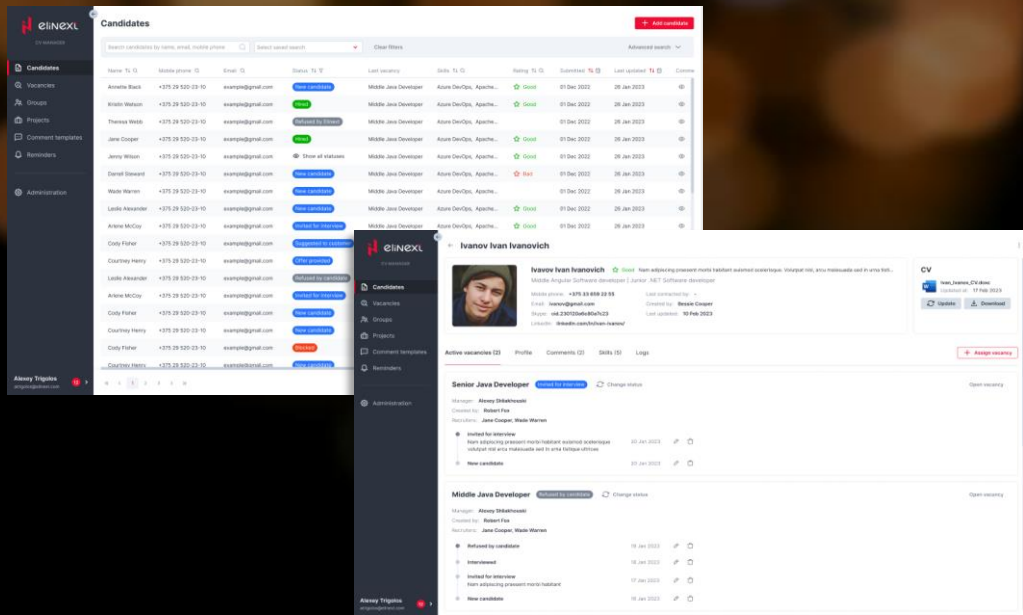
Learn More ->

Features

- Candidate management including resume upload and download, comments and status tracking
- Vacancy management including candidates assessment and advanced search.
- Comprehensive user management
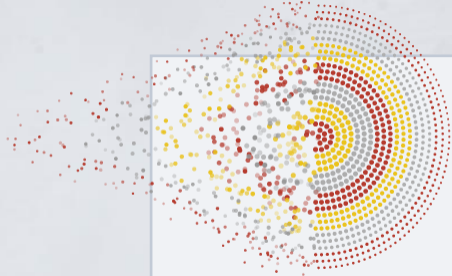- In-app reminders and email notifications

Technologies

- C#
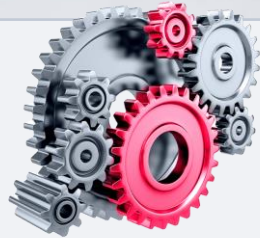- ANGULAR TYPESCRIPT
- ASP.NET
- MSSQL

Solutions We Deliver

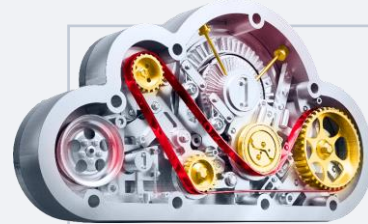**Data Management & Big Data**

Business Intelligence / Analytics

Artificial Intelligence, Machine Learning, Robotic Process Automation

Quality Assurance

Internet of Things

Cloud-Solutions

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Cooperation Models

Fixed Cost

- To freeze project costs having a very detailed scope of work and schedule

- To avoid investing too much time in budget control and project tracking

- To develop an MVP or a small-scale product under $50,000 USD

- To have a high level of predictability

Time and Materials

- To be agile and adapt quickly your product to the market demand and internal needs

- To control the project costs and progress but it is difficult to define upfront scope, schedule and scope outlines

- To decrease costs by saving money calculated by the IT vendor for possible project risks

Dedicated Team

- To extend your team's capacity

- To add specific knowledge or skills to your team

- To speed up your development process quickly

- To rely on the vendor's dev team as if it was sitting in our office

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Quality Delivered by the Team
(Agile Model)

Discovery and Design phase

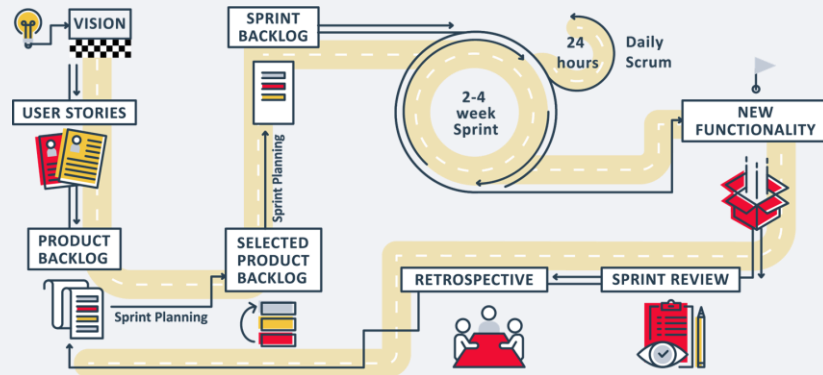**Development – 1 sprint (1-2 weeks) – recurring till the final delivery**

- Team setup
- Plan and prepare
- Refine requirements (Functional and Non-Functional)

- Design
- Architecture
- Infrastructure
- Product backlog

- Sprint backlog and planning
- Feature(s)
- "Ready for Release"

- Sprint backlog and planning
- Feature(s)
- "Ready for Release"

Initial Analysis of requirements, planning, UI/UX Design (1-4 sprints):

- Proof features and their priority by value and complexity

- Design a truly flexible and future-proof solution

- Plan an effective communication model

- Ensure further possibility to develop several services/ features in parallel

VISION
USER STORIES
PRODUCT BACKLOG
Sprint Planning
SELECTED PRODUCT BACKLOG
SPRINT BACKLOG
Sprint Planning
2-4 week Sprint
24 hours Daily Scrum
NEW FUNCTIONALITY
RETROSPECTIVE
SPRINT REVIEW

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Let's set up a powerful collaboration!

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