

Yurii Kachan

Senior Full Stack Developer

SUMMARY

- Full Stack Developer with 5+ years of experience in designing and scaling AI-driven and cloud-native web applications using Node.js, NestJS, Angular, and TypeScript.
- Expertise in system architecture design, RESTful API integration, and optimizing performance across SQL/NoSQL databases including PostgreSQL, MySQL, MongoDB, and Redis.

TECHNICAL SKILLS

Main Technical Skills	JavaScript (5 yr.), TypeScript (5 yr.), Node.js (5 yr.), NestJS (5 yr.), Angular (5 yr.)
Programming Languages	JavaScript (5 yr.), TypeScript (5 yr.)
JavaScript Frameworks	Angular (5 yr.), Express, Ext JS, NestJS (5 yr.), Node.js (5 yr.), React
AI & Machine Learning	LangChain (2 yr.)
JavaScript Libraries and Tools	Mongoose
Security	Auth0 (1 yr.)
Databases & Management Systems / ORM	Microsoft SQL Server, MongoDB, MySQL (1 yr.), PostgreSQL (1 yr.), Prisma (1 yr.), Redis (3 yr.), SQL (3 yr.), Typeorm (5 yr.)
UI Frameworks, Libraries, and Browsers	CSS, HTML, LESS, SASS
Cloud Platforms, Services & Computing	AWS (1 yr.), Azure (1 yr.)
Virtualization, Containers and Orchestration	Docker (3 yr.)
Version Control	Git, Github Actions
Deployment, CI/CD & Administration	GitLab CI (2 yr.)
Third Party Tools / IDEs / SDK / Services	Microsoft Visual Studio Code, PyCharm, WebStorm
Web/App Servers, Middleware	Nginx
QA, Test Automation, Security	Postman

SDK / API and Integrations	Swagger
Other Technical Skills	Data Structures (2 yr.), Weaviate (2 yr.)

WORK EXPERIENCE

Full Stack Developer (Digital Factory Software Suite)

Duration: 2 years

Summary:

- A modular software system for monitoring the status and notifying about preventive maintenance needs of devices, using customizable AI agents, with the ability to combine different IoT devices
- The system leverages AI and machine learning to enhance device maintenance and operational efficiency

Responsibilities:

- Designed, developed, and maintained both back-end and front-end components of the application;
- Improved and scaled system architecture to enhance performance, reliability, and maintainability;
- Led the implementation of new product features from requirements to production;
- Developed document parsing pipelines for multiple office file formats to enable AI-driven content processing;
- Refactored and optimized existing back-end codebases, reducing technical debt;
- Designed and integrated RESTful APIs and third-party services;
- Managed application deployment and release processes across environments;
- Implemented unit tests to ensure code quality and long-term maintainability;
- Conducted code reviews and provided technical guidance to ensure best engineering practices.

Technologies: Node.js, Nest.js, Angular, TypeORM, Unstructured, Weaviate, LangChain, Langfuse

Full Stack Developer (Platform for Connecting Vendors with Homeowners)

Duration: 1.5 years

Summary:

- A system that guides homeowners through a curated process to find capable and honest companies for home improvement projects
- It enables community involvement for sharing project experiences and connects service providers and vendors with homeowners to facilitate project completion in the freelance marketplace domain

Responsibilities:

- Designed and evolved system architecture to support scalability and long-term maintainability;
- Implemented new features across the full development lifecycle, from design to deployment;
- Developed and maintained responsive, user-facing front-end components;



- Built and optimized back-end services, ensuring performance, security, and reliability;
- Designed and integrated internal and third-party APIs;
- Managed application deployment and environment configuration;
- Identified, debugged, and resolved complex software defects;
- Implemented unit tests to ensure code quality and prevent regressions;
- Conducted code reviews, enforcing coding standards and best practices.

Technologies: Nest.js, Angular, TypeScript, PostgreSQL, Prisma, Redis, AWS, Auth0, Docker

Full Stack Developer (Model Training Service)

Duration: 1.5 years

Summary:

- An artificial intelligence-based optical quality control and defect detection system for manufacturers, consisting of self-learning AI
- SE Core and AI
- SEE Line Inspector modules
- Smart cameras and AI evaluation tools are installed directly on the assembly line and managed via the Core to automate visual inspection of production quality

Responsibilities:

- Improved and optimized system architecture to enhance scalability, performance, and maintainability;
- Delivered new features end-to-end, from technical design to production release;
- Developed and maintained front-end components with a focus on usability and performance;
- Designed, implemented, and optimized back-end services and business logic;
- Integrated internal and external APIs to support application functionality;
- Managed application deployment, configuration, and environment stability;
- Diagnosed, fixed, and prevented software defects in production and development environments;
- Wrote and maintained unit tests to ensure reliability and code quality;
- Performed code reviews, ensuring adherence to best practices and high engineering standards.

Technologies: Nest.js, Angular, TypeScript, MySQL, TypeORM, Redis, Azure, Docker

EDUCATION

- **College of Transport and Computer Technologies, Chernihiv**
Bachelor's degree in Computer Science

CERTIFICATION

- **Full Stack Developer GoIT Education**

