

AHMET NISHEFCI

Senior Full-Stack & AI Engineer

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PROFESSIONAL SUMMARY

Full-Stack & AI Engineer building and operating production web products across healthcare and SaaS. Experienced in end-to-end product ownership, technical leadership, multi-tenant systems, billing and payment automation, asynchronous workflows, and agentic AI. At AIOS, leads customer-facing engineering delivery while contributing to Jesse, an AI agent designed to automate operational workflows including orders, sales, and referrals. Strong hands-on background across TypeScript, React, Next.js, Node.js, NestJS, PostgreSQL, Prisma, AWS, Redis, BullMQ, GraphQL, and Langfuse.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, CSS, SQL

Frontend: React, Next.js, React Native, Vue.js, Tailwind CSS, Storybook

Backend & APIs: Node.js, NestJS, Express.js, Fastify, GraphQL, REST

Data & Async: PostgreSQL, MySQL, MongoDB, Prisma, Drizzle, Mongoose, Redis, BullMQ

AI & Platform: Agentic AI workflows, Langfuse, prompt engineering, AWS, GitHub Actions

Quality: Jest, Cypress, end-to-end testing, smoke testing, code review, production QA

PROFESSIONAL EXPERIENCE

Full-Stack & AI Engineer / Customer-Facing Engineering Lead | AIOS

Feb 2025 - Present

San Francisco, CA / Remote

- Lead development and end-to-end ownership of customer-facing product surfaces, contributing across frontend, backend, data, asynchronous processing, releases, and production support in a fast-moving healthcare technology environment.
- Contribute to Jesse, AIOS's agentic AI system for automating operational workflows such as orders, sales, and referrals, using agent-oriented workflows and Langfuse-backed AI observability alongside the broader TypeScript platform.
- Led end-to-end development of a customer marketplace that enables patients to select pharmacies, browse product variants, upload prescriptions, and complete purchases through integrated checkout and payment flows.
- Designed and delivered billing workflows from the ground up, including care-team billing tickets and automated flows for failed payments and enrollment-driven cases, reducing reliance on manual operational handling.
- Strengthened the platform's multi-tenant architecture by implementing organization-aware dynamic theming, allowing customer experiences to adapt to organizational context and branding.
- Build and maintain production systems with React, Next.js, TypeScript, NestJS, Prisma, PostgreSQL, AWS, Redis, BullMQ, GraphQL/REST, and AI tooling while collaborating across product and engineering.

Software Engineer | Adscribe

Jul 2023 - Feb 2025

London, UK / Remote

- Spearheaded a permission-based sharing system for jobs, candidates, companies, and documents, introducing granular access controls to improve collaboration while protecting sensitive platform data.
- Built a configurable CV-generation experience with reusable templates, real-time candidate data editing, live preview, and PDF export.
- Implemented asynchronous campaign and document-generation workflows with BullMQ and polling, moving long-running processing off the interactive request path and keeping the UI responsive.
- Automated frontend/backend version-consistency checks through GitHub Actions, prompting users to refresh when deployments introduced a newer application version.
- Developed document-generation capabilities for PDF, CSV, and TXT outputs and helped standardize branded document creation across the product.
- Improved release confidence through Jest unit tests, Cypress end-to-end/smoke coverage, code reviews, and hands-on production-readiness QA.

Software Engineer | Pabau Clinic Software

Jan 2022 - Jul 2023

Prishtina, Kosovo

- Delivered full-stack healthcare product features using React, Next.js, TypeScript, GraphQL, NestJS, Prisma, and PostgreSQL, working across UI, APIs, data models, and production user flows.
- Led responsive-design improvements across application surfaces to provide consistent experiences across desktop and mobile form factors.
- Implemented two-factor authentication, adding an additional verification layer to strengthen account security.
- Improved application reliability through Jest unit testing and Cypress end-to-end coverage, while applying deliberate cache updates and query refetching to keep client data consistent after mutations.
- Participated actively in code reviews and technical delivery in an Agile environment, balancing multiple concurrent product priorities and release deadlines.
- Led and mentored a team of interns, conducting stand-ups, supporting task execution, and helping engineers develop their technical skills.

Software Engineer | Starswapp

Nov 2020 - Jan 2022

- Built web and mobile products for multiple client domains, owning feature delivery across responsive interfaces, application logic, integrations, and production handoff.
- Developed a car-service management platform for Swiss client Care-Free to streamline service workflows and improve the customer experience.
- Built Airpop, a React Native social application with modern social-networking functionality.
- Delivered custom business software, an interactive Kosovo travel application with itineraries and points of interest, and small-scale e-commerce experiences with payment functionality.
- Managed remote client projects against delivery requirements while continuously expanding the team's technical capabilities through side projects and emerging technologies.

SELECTED PROJECTS

[Wave Nearby](#) — React Native, Expo, TypeScript, Bluetooth LE | [CareFree](#) — React, Next.js, TypeScript | [Blue eSIM](#) — React, Next.js, TypeScript, Node.js

EDUCATION

B.Sc. Computer Science and Engineering - University of Business and Technology

2019 - 2023

Prishtina, Kosovo

LANGUAGES

Albanian | English