

Almir Muminović

Full Stack Engineer

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Summary

Full-stack engineer building React/Next.js/React Native frontends and Node/Nest backends, with a database-first approach to system design and three shipped AI-driven products - an adaptive skill-based fitness platform, an automated marketing ad generator, and a CV-tailoring tool. Created 100+ specialized AI skills and directs multi-agent engineering teams end-to-end, from initial concept through API design to production.

Experience

Full Stack Engineer, HEXtech

October 2025 – Present | Remote

- Built and shipped a cross-platform mobile app in React Native/Expo with Tailwind styling, delivering a consistent iOS/Android UI now live on the Google Play Store.
- Managed the Android app's Google Play Store submission end-to-end - store assets, test accounts, compliance checks - through to publication.
- Designed secure email verification and password-reset flows with Resend, blocking automated and bot-driven account creation.
- Owned database schema design and migrations in Prisma, deploying and managing a Supabase-hosted PostgreSQL database.
- Deployed and operated backend services on AWS EC2 with PM2 for process management and uptime.
- Built scalable backend APIs with NestJS, prioritizing data integrity, security, and maintainable architecture.

Full Stack Engineer, Riwers

February 2023 – April 2023 | Remote

- Developed data-driven UI components - including complex tables and structured data views - for a full-stack insurance-domain business application built with React and NestJS.
- Implemented authentication and role-based authorization workflows to support secure, permission-gated user access.
- Collaborated cross-functionally with backend and frontend engineers on API integration within an established production codebase.

Projects

Animated Ads, Personal Project

Tech: Claude Code Plugin/Skills, HTML5, CSS3 (Custom Properties, Keyframe Animations), JavaScript, YAML, Markdown
Link: github.com/rimla1/animated-ads

- Built a 3-step Claude Code plugin (init-ad -> create-scenario -> create-ad) that generates production-ready animated HTML5 ads directly from an app's branding and feature set.
- Designed a reusable template/feature system - brand style and feature definitions are configured once via questionnaire and saved as Markdown+YAML files, then reused across future ads with no re-entry.
- Built an HTML/CSS/JS ad-rendering engine that outputs self-contained, dependency-free files using CSS custom properties, keyframe animations, and JavaScript-driven looping - ready to open in any browser with no build step.

Izlrn - Quiz-based Learning with the help of AI, Personal Project

Tech: React, NestJS, PostgreSQL, Prisma, OpenAI API (ChatGPT)

Link: github.com/rimla1/izlrn-frontend · github.com/rimla1/izlrn-backend

- Built an AI-assisted quiz learning platform with a React frontend (including dark/light theme support) and a NestJS backend handling quiz generation and app workflows.
- Integrated the OpenAI API with structured prompt design to generate dynamic, contextually relevant quiz content.

- Implemented a quiz reuse/caching strategy that detects identical user inputs and serves cached quizzes instead of new AI calls - cutting API costs by roughly 10% early on, with an expected ceiling of up to ~80% as the user base and repeat-input rate grow.

Fitness Future - AI-Native Fitness & Nutrition Tracking System, Personal Project

Tech: Claude Code (Anthropic), SQLite, Agent Skills Architecture, Prompt/Cost Engineering

- Designed and built a local, conversational alternative to a typical fitness-app stack (exercise tracker, nutrition planner, calorie calculator, weight tracker) - a natural-language agent interface backed by a single SQLite database, with no server and no separate apps.
- Architected a 16-skill modular agent system (refactored from a single 450+ line monolithic skill) so a narrow request loads only the ~1 relevant skill instead of the full instruction set - cutting per-request context load by an estimated 80-90% for single-intent requests.
- Built a cost-driven model-routing system - Claude Haiku 4.5 for high-frequency, low-complexity logging/parsing, Claude Sonnet 5 for cross-domain reasoning - reducing simple read/write costs by ~70-80% and bringing total projected LLM operating cost for full daily use down to \$1-2/month (vs. an estimated \$100+/year under the unoptimized architecture).

CV Tailor, Personal Project

Tech: LaTeX (MacTeX/pdflatex), Claude Code Agent Skills, JSON, VS Code + LaTeX Workshop

- Built a multi-skill AI system (12 Claude Code Agent Skills) that generates job-tailored CVs as compiled LaTeX/PDF documents from a candidate's saved background data.
- Implemented a job-description intake skill that extracts role focus, seniority, and must-have vs. nice-to-have keywords from a posting, then drives an orchestrator skill that selects, reorders, and re-emphasizes only the candidate's existing (never fabricated) experience/projects/skills to match.
- Automated LaTeX assembly and PDF compilation via pdflatex/MacTeX, producing a ready-to-send, ATS-safe PDF directly from a job posting with no manual LaTeX editing required.

Technical Skills

Languages: JavaScript, TypeScript

Frontend: React, React Native, Expo, Next.js, HTML, CSS, Bootstrap, Tailwind

Backend: Node.js, Express.js, NestJS, REST API, GraphQL, Template engines

Databases: MySQL, PostgreSQL, MongoDB, Sequelize, Mongoose, Prisma, Database Design & Migrations

Cloud & DevOps: AWS (EC2, S3), Docker, PM2, Netlify, DNS & Domain Configuration

AI Engineering: Claude Code, Multi-agent AI orchestration, AI skill/tool development, AI-assisted development workflows

Development Tools & Workflow: Git, GitHub, NPM, Cursor IDE, Postman, API testing tools

Software Architecture: Design Patterns, Software Architectures

Design & Collaboration: Figma, Claude Design

Education

Bachelor of Computer Science, Alfa BK University

October 2025 | Belgrade, Serbia

Natural Sciences and Mathematics Department, Gymnasium

May 2021 | Novi Pazar, Serbia

Languages

Serbian (Native) · English (Fluent) · German (Basic)