

# ÖMER FARUK SIMSEK

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## SUMMARY

Fourth-year Computer Engineering student with a strong focus on full-stack development using React, Next.js, and Node.js. Experienced in building scalable web and mobile applications through academic, professional, and personal projects. Passionate about writing clean, maintainable code, learning new technologies quickly, and contributing effectively in collaborative, Agile-driven team environments.

## TECHNICAL SKILLS

Backend	Node.js, Express.js, Prisma, Supabase, PostgreSQL, REST APIs, Firebase, Python
Frontend	React, Next.js, JavaScript, TypeScript, TanStack, Tailwind CSS, shadcn/ui
Mobile	React Native, Expo
Databases	PostgreSQL, Supabase, Firebase Firestore, Firebase Realtime DB, MongoDB
DevOps & Tools	Docker, Kubernetes (basic), Redis, Kafka (basic), GitHub Actions, Git, Linux
Practices	Agile, Clean Code, Unit Testing, CI/CD Pipelines, Jira, Postman
Languages	Turkish (Native), English (B2 – Upper Intermediate)

## EXPERIENCE

<b>AI Developer Intern</b> AI Business School	Sep 2025 – Present <i>Remote</i>
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- Contributing to the development of an AI adoption platform that helps businesses integrate AI into real-world workflows.
- Designing and implementing scalable backend services and RESTful APIs for AI-driven features.
- Collaborating with cross-functional teams to deliver practical AI solutions and improve platform usability.
- Researching and applying modern AI tools, frameworks, and best practices for business use cases.

<b>Full Stack Developer Intern</b> Defsoft Bilişim AŞ	Jun 2025 – Sep 2025 <i>ODTÜ Teknokent, Ankara, Turkey</i>
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- Developed frontend components and backend APIs using React, Next.js, and Node.js.
- Built internal admin panels using TanStack (React Query, Table) and shadcn/ui.
- Created landing pages with analytics integrations and Firebase-backed services.
- Assisted with PostgreSQL and Supabase database design, integration, and maintenance.
- Participated in Agile sprints, stand-ups, and code reviews to improve code quality.

<b>Remote Full Stack Developer</b> Yoursizer	Feb 2025 – Sep 2025 <i>Remote</i>
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- Developed a Shopify-compatible embedded full-stack application using React, Next.js, Node.js, and NeonDB.
- Designed and managed complex PostgreSQL schemas, optimized queries, and ensured data integrity.
- Integrated Three.js to deliver interactive 3D product visualizations.
- Implemented advanced user tracking and analytics features to improve engagement and UX.
- Built real-time features and performance optimizations for a responsive user experience.
- Successfully published the application on the Shopify App Store for global merchants.
- Collaborated remotely using Agile methodologies to deliver features on schedule.

## EDUCATION

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**Bachelor of Computer Engineering**, Tarsus University

Expected 2026

Relevant Coursework: Algorithm Analysis, Operating Systems, Data Management and File Structures, Signals and Systems, Differential Equations.

Focused on building strong foundations in software engineering, algorithms, and systems programming through practical projects and team-based assignments.

## PROJECTS

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**Yoursizer Shopify App** — Developed a full-stack Shopify embedded app using React, Next.js, Node.js, and NeonDB. Integrated Three.js for 3D visualizations, user tracking, and analytics. Published on the Shopify App Store. ([View Live](#))

**Turuncu App** — Built a mobile application with React Native and Expo that analyzes user reviews and pricing data to identify the cheapest, most expensive, and best-rated places in a city. Implemented real-time updates with PostgreSQL.

**Blog Generator with AI** — Created an AI-powered blog content generator using the Gemini API, Supabase, and Next.js. Supports automated, SEO-friendly content generation. ([GitHub](#))

**Personal Portfolio Website** — Designed and developed a responsive personal portfolio using React, Next.js, and PostgreSQL. Optimized for SEO and performance. ([View Live](#))

## EXTRA-CURRICULAR ACTIVITIES

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- Built and maintained personal projects including Shopify apps, dashboards, and AI-powered tools.
- Participated in hackathons and coding competitions to strengthen problem-solving and teamwork skills.
- Software Lead at Huawei Student Club, mentoring peers and organizing software development activities.
- Delivered workshops and educational sessions on Artificial Intelligence and Git for students.

## AI TOOLING EXPERIENCE

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- Actively using AI-powered development tools for over 1.5 years to enhance productivity, code quality, and system design.
- Closely following advancements in large language models and AI-assisted software development workflows.
- Integrated LLM APIs into production applications for content generation and automation.
- Designed prompt workflows and guardrails to ensure consistent, reliable, and structured AI outputs.
- Used multiple AI-assisted coding environments and IDE integrations, including GitHub Copilot, Cursor, Wind-surf, and other AI-enhanced editors.
- Currently using Claude Code as the primary AI coding assistant for complex reasoning, refactoring, and backend architecture decisions.
- Leveraged AI tools for debugging, performance optimization, test generation, and documentation.
- Evaluated AI tooling trade-offs and limitations, applying human judgment for critical architectural and business decisions.
- Familiar with prompt engineering, agent-based workflows, and AI-assisted software development best practices.

## CERTIFICATIONS

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- Next.js Starter – Vercel
- Redis for JavaScript Developers – Redis
- Redis for AI – Redis
- Docker Essentials – IBM
- Machine Learning with Python