

# MARIOS KONNARIS

## Full-Stack Software Engineer

Athens, Greece · mariokonnari@gmail.com · LinkedIn · GitHub · Portfolio

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### Summary

Full-stack engineer specialising in React/TypeScript frontends with production Node.js backend experience. Shipped systems featuring real-time WebSocket communication, AI integrations, JWT/RBAC authentication, and PostgreSQL databases. Comfortable across the entire stack — from schema design to polished UIs. Actively seeking full-stack or frontend engineer roles.

### Skills

#### Languages

TypeScript, JavaScript (ES6+), HTML5, CSS3

#### Frontend

React, Next.js 14, Vite, Redux Toolkit, React Router, Tailwind CSS

#### Backend

Node.js, Express.js, REST APIs, Prisma ORM

#### Database & Realtime

PostgreSQL, Supabase, WebSockets, Supabase Realtime/Broadcast

#### Auth & Security

JWT, bcrypt, RBAC, role-based middleware

#### Testing

Jest, Supertest, Vitest, React Testing Library

#### AI Integration

Groq API, Google Gemini API

#### Tooling & Deployment

Git, GitHub, Vercel, Netlify, Figma

### Education

#### University of West Attica

Integrated B.Sc./M.Sc. — Software Engineering  
In progress · Architecture, databases, algorithms, web development, software engineering principles

#### Meta Front-End Developer Certificate

Coursera · Completed August 2024

#### [View certificate](#)

9-course program: HTML, CSS, JavaScript, React, responsive design, version control, best practices

### Additional

EU Citizen · Military service fulfilled  
English C2 · Greek native · German basic

### Projects

#### Interview Prep — AI & Real-Time Study Platform

React · TypeScript · Vite · Node.js · Express · Prisma · Supabase · Groq · JWT · RBAC

Addresses fragmented, non-interactive interview preparation by combining AI evaluation with live head-to-head practice. Users invite a friend via a 6-character room code — Supabase Realtime Broadcast then syncs answer submissions so each player sees the other's AI score and feedback the moment it arrives, with no page refresh. Groq API evaluates answers 1–10 with specific, actionable feedback. Backend includes JWT auth, RBAC with a full admin panel for managing questions and users, and a public leaderboard on PostgreSQL via Prisma. Deployed across Netlify and Vercel.

[Live Demo](#) · [GitHub](#)

#### AI Code Review Assistant

Next.js 14 · TypeScript · Google Gemini API

Solves the context-switching problem developers face when seeking code feedback. Supports 10 programming languages across four review modes — security, performance, readability, and testing — each producing targeted output rather than generic suggestions. Built on Next.js 14 App Router with persistent workspace storage for revisiting past reviews and PDF export for sharing feedback with teammates.

[Live Demo](#) · [GitHub](#)

#### SaaS Dashboard — Auth, CRUD & Testing

React · TypeScript · Node.js · Express · Prisma · PostgreSQL · Jest · Vitest · RTL

Demonstrates production-ready full-stack patterns often absent from portfolio projects. Implements JWT authentication with bcrypt, invoice CRUD on PostgreSQL via Prisma, and role-based access control with protected middleware. Distinguished by a test suite covering `authController`, `authMiddleware`, `authRoutes`, `invoiceRoutes`, `Login`, and `AdminDashboard` using Jest, Supertest, Vitest, and React Testing Library.

[Live Demo](#) · [GitHub](#)

#### E-Commerce SPA

React · TypeScript · Redux Toolkit · React Router · Tailwind CSS

Single-page e-commerce application tackling shared cart and filter state across deeply nested components. Implements real-time product search via state lifting, dynamic routing, and a fully functional cart with per-item quantity controls backed by Redux Toolkit for predictable, centralised state management.

[Live Demo](#) · [GitHub](#)