

# RIZIK HADDAD

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## SUMMARY

Backend-focused Full Stack Developer with B.S. in Computer Science specializing in secure, scalable application architecture. Expertise in Spring Boot (Java) and Node.js/Express with REST API design, JWT authentication, and PostgreSQL/MySQL databases. Proficient in MVC architecture, JPA/ORM, AWS S3, and frontend technologies (React/Next.js, TypeScript). Experienced leading development teams through Agile workflows and technical architecture decisions.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, C#, Python, SQL, HTML, CSS

**Backend:** Spring Boot, Node.js, Express.js, REST APIs, Microservices, JWT Authentication, BCrypt, MVC Architecture, OOP

**Frontend:** React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Responsive Design

**Databases & ORM:** PostgreSQL, MySQL, Supabase, JPA, Jakarta Persistence, Hibernate, SQLite, Database Design

**Tools & DevOps:** AWS S3, Docker, Git, GitHub, CI/CD, Agile, Scrum, REST, API Design, Vercel, Render

## PROJECTS

### Lead Full Stack Developer | iHive (Capstone Project)

Jan 2025 - Apr 2025

- Architected complete backend with Node.js/Express and PostgreSQL (Supabase), including REST APIs, business logic, and AWS S3 file management
- Engineered granular permission system with role-based access control (public, protected, private) implementing least-privilege principles
- Integrated OpenAI GPT-4 API for automated tag generation with custom system prompts and structured JSON parsing
- Led 4-member team through Agile/Scrum, conducting code reviews, debugging WebSocket implementations, and refactoring components

### Full Stack Developer | JustSeen (Personal Project)

Jun 2024 - Present

- Built production application with Spring Boot backend (MVC architecture: Controllers, Services, Repositories, DTOs) and React/Next.js frontend with TypeScript
- Implemented JWT authentication with BCrypt encryption and HTTP-only cookie session management
- Designed database schema using JPA/Jakarta Persistence with entity relationships for user watch history and personalized recommendations
- Resolved TMDB API data issues by implementing server-side deduplication and response caching to reduce load times

## EXPERIENCE

### Computer Science Tutor | University of North Carolina Greensboro

Aug 2022 - May 2024 (3 Semesters)

- Mentored students in OOP (Java), x86 Assembly, and C, providing guidance on course projects, exam preparation, and debugging

## EDUCATION

### Bachelor of Science in Computer Science | Minor in Mathematics

University of North Carolina Greensboro • Graduated 2025 • GPA: 3.4

## CERTIFICATIONS

### Microsoft Back-End Developer Professional Certificate

Coursera • Expected April 2026