

RYAN MOHAMED

Software Engineer

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EDUCATION

Bachelor of Science, Computer Science

August 2019 - January 2023

Queens College, City University of New York

SKILLS

Languages: TypeScript, JavaScript, SQL, T-SQL, HTML, CSS, Python, Ruby, C++, C, Java

Technologies: Next, React, Node, Express, Sinatra, Firebase, Google Cloud Platform, AWS, Docker, Netlify, Vercel, Heroku, MySQL, Microsoft SQL Server, PostgreSQL, MongoDB, Prisma, Sequelize, JIRA, Git, GitHub, Bash, UNIX, Linux, Mocha, Chai, Jest, Cucumber, Cypress, PayPal, Stripe, RevenueCat, Tailwind CSS, Framer-Motion, CSS Animations, Adobe Illustrator, Adobe Photoshop (10 years)

Methodologies: Full-stack Development, Front-end, Back-end, System Design, Event-Driven Architectures, MVC, RESTful APIs, JWT, OAuth, SSR, SSG, ISR, JSON, RDBMS, NoSQL, ORM, UI/UX, Responsive Web Design, Version Control, Agile, Waterfall, DevOps, CI/CD, TDD, Unit Testing, Integration Testing, E2E Testing, WebSockets, TCP, HTTP/HTTPS, Cloud Computing, Data Modeling, OOP, Operating Systems

EXPERIENCE

i4software, Remote

Software Engineer Intern, (July 2023 – Present)

- € Collaborates as technical lead in a remote team of 23 software engineers according to agile development methodologies; for the creation of companies's new AI software, responsible for general system design, high-level code reviews, version control, enhancing CI/CD pipeline and back-end integrations such as payment gateways, cloud computing services, secured API endpoints, middleware and more.
- € Leverages a broad spectrum of technologies such as JavaScript, TypeScript, React, NextJS, Firebase, OpenAI, Flutter, Swift, and SwiftUI to develop versatile web and mobile applications, delivering 38 MVPs to product testers within 4 day window. Also prompt engineers specialized GPT models for company-specific uses. Continues to engage in consistent learning of new tools, languages, and workflows.
- € Acts as one of the key liaisons between intern team and upper management, ensuring progress on deliverables aligned with companies strategic goals, collaborates across time zones via Slack and GitHub.

TheCoderSchool, Bayside, NY

Code Coordinator, (December 2022 – Present)

- € Articulates complex technical problems and ideas in a concise and clear manner to various stakeholders and colleagues through communication and interpersonal skills, resulting in 18% boost to trial class retention rate.
- € Collaborates, coordinates with, and leads alongside other programmers and 30 personal students weekly - for the purposes of breaking down languages, frameworks, design patterns, coding ethics, and the software development life cycle.

Programming Instructor, (August 2021 – Present)

- € Autonomously teaches in person and remotely - fundamental and advanced concepts in frontend development, backend development, and relational databases using Python, Java, JavaScript, HTML, CSS, React.js, and Node.js. Resulting in a 27% increase in client demand for web-based curriculum.
- € Programs, discovers bugs, maintains documentation and curates lesson plans for over 300 programs & tools in role lifetime using intermediate & advanced Python. Focusing on core game development, mathematics, creative problem-solving, technical discussions and approaches to different software related issues.
- € Operates 85% of core Java & object-oriented programming classes for game development, university-level tutoring, & AP Java exam prep.

PROJECTS

After School Startup, i4software

- € Led the development and system design of a comprehensive full-stack application tailored for a middle and high school after-school program, built with TypeScript React, Next.js, Google Cloud Platform, and Firebase.

Fithyte, i4software

- € Led the technical development and system design of a cross-platform web application for an AI-powered, optimized fitness and meal planning application in the capacity of technical lead, built with React, Next.js, OpenAI, Google Cloud Platform, and Firebase.

Restaurant Rodeo, Personal

- € Highly performant web app to find hidden gems in your local area. Built with Next.js, TypeScript React, GCP and other REST APIs.

Portfolio, Personal

- € Larger, more comprehensize list of projects and work experience. Built with Next.js.