

RYAN MOHAMED

Software Engineer

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EDUCATION

Bachelor of Science, Computer Science

January 2023

Queens College, City University of New York

SKILLS

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

Technologies: Next.js, React.js, Node.js, Express, Docker, Kubernetes, Firebase, Google Cloud Platform, Amazon Web Services, (AWS), EC2, Lambda, DynamoDB, Firestore, MySQL, Microsoft SQL Server, PostgreSQL, Redis, Prisma, Sequelize, UNIX, Linux,, Tailwind CSS, Git, Redux, HTTP, HTTPS, TCP, RESTful APIs, GraphQL, WebSockets, JWT, OAuth2, JDBC

Methodologies: Full Stack Development, Object-Oriented Programming, Data Structures, Operating Systems, System Design, MVC, Serverless, RDBMS, NoSQL, Data Modeling, ORM, Version Control, Agile, CI/CD, Unit & Integration Testing

EXPERIENCE

i4software, Remote

Software Engineer Intern, (July 2023 – September 2023)

- ✧ Spearheaded a distributed Agile team of 25 software engineers as Technical Lead to deliver 3 high quality production SaaS applications in small 2-month deadline, by optimizing version control processes and Git practices
- ✧ Designed robust system architecture for 4 production apps, fortifying security by leveraging best practice experience with TypeScript, React.js, Next.js, SQL & NoSQL databases, REST APIs, and GraphQL
- ✧ Troubleshoot system anomalies, implementing corrective measures and over 50 unit and integration tests to increase reliability, documented code, processes and procedures to facilitate knowledge transfers between team
- ✧ Orchestrated sprint cycle requirements and issue triage among senior developers and cross-functional teams, aligning deliverables with strategic goals and maintaining high standards for products

TheCoderSchool, Bayside, NY

Code Coordinator, (December 2022 – Present)

- ✧ Increased trial class retention rate by 18% by articulating complex technical jargon in a concise and clear manner to various clients, stakeholders and colleagues
- ✧ Collaborates and coordinates with stakeholders via help desk to individually teach 30 students weekly programming languages, frameworks, design patterns, ethics, and the software development life cycle

Programming Instructor, (August 2021 – Present)

- ✧ Generated 27% increase in demand for web-based curriculum through detail-oriented projects in and communication of fundamental and advanced concepts in OOP, front-end & back-end development, and databases
- ✧ Comprehensively leads 85% of core Java & OOP based classes by creating over 30 projects for university-level tutoring and AP Java exam prep
- ✧ Developed over 300 programs, games, projects & tools in role lifetime using intermediate & advanced Python, Java, C++, JavaScript, HTML, CSS, React.js and Node.js

PROJECTS

Full Stack Engineer, After School Startup

- ✧ Utilized TypeScript, Next.js, NoSQL, REST APIs, Webhooks and Tailwind to build secured architecture and contribute over 300 commits to payment verified and role-based CMS according to agile principles

Back-end Engineer, Fitbyte

- ✧ Collaborated in agile team to contribute to the back-end development of a generative AI and LLM powered SaaS app, used to create optimized fitness and meal plans, submitting over 40 tickets individually

Full Stack Engineer, Team Generation

- ✧ Used TypeScript, Next.js, Prisma, PostgreSQL, Redis, Tailwind and Docker, to build SaaS web app for generating and sharing images to audiences in real time

SQL Developer, JDBC Data Migration

- ✧ Contributed to the normalization, migration, and visualization of data from a BI tool to a Microsoft SQL Server database using constraints, stored procedures, and UDTs in T-SQL, Java, JDBC, Linux servers, and Docker