

Software Developer with expertise in Full-Stack development. Proficient in cloud computing and DevOps practices, holding certifications and hands on experience with AWS, Spring Boot, Docker, Kubernetes, and CI/CD pipelines.

## WORK EXPERIENCE

---

**IBM** Dec. 2024 – Present  
Back-End Software Engineer Lowell, MA

- Enhanced the automation and deployment of Maximo Application Suite using **Ansible** and **Kubernetes** on OpenShift, deploying and configuring a collection of services to support asset management lifecycles at enterprise scale.
- Developed a Spring Boot API (**AI Broker**) for IBMs Maximo Application Suite as an add-on to auto-categorize work order problem codes and suggest fixes, enhancing maintenance workflows and **reducing downtime by up to 47%**.
- Created REST APIs and distributed logging for AI Broker; resulting in tenant specific logging and easier debugging.
- Engineered multi-tenant automation via Ansible playbooks and scripts to provision isolated namespaces, secrets, network policies, and storage on OpenShift clusters; leveraging IBM Cloud for dev/test and AWS ROSA for prod.

**Argoprep Ed. Tech** Nov. 2023 – Nov. 2024  
Full Stack Software Engineer Brooklyn, NY

- Developed high-performing Spring Boot microservices supporting 1M+ users, handling up to 5M+ requests daily.
- Integrated with Stripe and other third-party APIs to design event-driven workflows for digital products and courses.
- Improved performance with Spring Batch, optimizing request handling, and **reducing SQL database load by 40%**.
- Provisioned and migrated resources into **AWS with Terraform**, speeding up releases of development environments.
- Utilized **CI/CD pipelines** with Jenkins, Junit and SonarQube to ensure code changes were pushed successfully.
- AWS, Terraform, Docker, Kubernetes, Redis, Microservices, JPA, JDBC, Java, Maven, React.js, SDLC, Jira, Agile

Software Engineer Intern Sept. 2022 – Aug 2023

- Implemented designs from Figma to bring the quiz feature to life, ensuring a visually appealing user interface.
- Utilized SQL for data storage and Git for version control and code collaboration through pull requests using CI/CD pipelines to automate **test-driven deployments** of Docker containers.
- Designed and developed a quiz feature for ArgoPrep's ed tech platform using **ReactJS and NodeJS**.

**CUNY Tech Prep** Sept. 2022 – Aug 2023  
Software Developer Queens, NY

- Learn in-demand technologies like React, Node + Express, and **PostgreSQL** as well as industry best practices.
- Implemented design patterns and principles with software design, implementation, and deployment, including the MVC architecture, version control with Git/GitHub, agile methodologies, and **Scrum** using Trello and Slack.
- Gained experience in writing custom SQL queries as well as using Sequelize ORM for handling complex data.

## EDUCATION

---

**CUNY Queens College** May 2018 - May 2023  
Bachelor of Arts in Computer Science Queens, NY

Relevant Coursework: Software Engineering, Computer Vision, Databases, Cloud Computing, Internet and Web Technologies, D&A of Algorithms, Operating Systems Principles, Principles of PL ... (View all coursework)

## SKILLS

---

Front-end: Javascript, React.js, HTML, CSS, React-Native, Next.js, TailwindCSS, Jest, Figma, Android

Back-end: Java, Spring boot, Python, MySQL, MVC, Node.js, Express, MongoDB, C/C++, Jira

DevOps: AWS, Linux, Shell Scripting, OpenShift, Ansible, Docker, Kubernetes, Travis-CI, Jenkins, CI/CD, Terraform

Certifications: AWS Certified **Developer** Associate (Exp. 2027) • HashiCorp Certified **Terraform** Associate (Exp. 2027)

## PROJECTS

---

**LeetGuide: Interview Preparation** (Demo) (Git) Nov. 2024 – Present

- Developed a Spring Boot application to scrape popular forums for discussion posts, analyzing data and top-frequency keywords with advanced aggregation techniques to identify top data structures and algorithm questions.
- Created scheduled SQL queries with **JDBC**, implementing complex joins, subqueries, and index optimizations.
- Provisioned infrastructure using Terraform automating the creation of droplets, VPCs, and database instances.

**Fitness Coaching Platform** (Demo) (Git) Sept. 2023 – Present

- Designed several Spring Boot micro-services incorporating features such as an **API Gateway**, configuration management, security, authentication and authorization, RESTful APIs and messaging queues (e.g., Kafka).
- Developed a responsive front-end coaching platform using React.js, incorporating **reusable components** like questionnaires, personal dashboards, and product pages, resulting in a dynamic and user-friendly interface.
- Automated deployments on **AWS EKS** with an internet-facing load balancer on an API Gateway service.
- Spring Cloud, Jenkins, React.js, Redux, AWS, Docker, Kubernetes, Rate limiting, Feign, Hystrix, Zipkin, Eureka