

Shashank Sigdel

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Education

CUNY - York College, Queens, NY

B.S. in Computer Science

LaGuardia Community College

Associates in Computer Technology

Feb 2022 – Dec 2024

GPA: 3.6/4

Aug 2020 – Dec 2021

GPA: 3.4/4

Skills

Languages & Frameworks: Java, C/C++, JavaScript, SpringBoot, Node.js, Python

Cloud Platforms: AWS, Google Cloud Platform (GCP), Firebase

DevOps & Tools: Docker, Git, CI/CD, IntelliJ, VS Code, JIRA, Postman, Grafana

Databases: MongoDB, Postgres, MySQL

Professional Experience

Blink Voice, Software Engineer II

Feb 2025 – Jun 2025

- Developed backend microservices in Java using Spring Boot, Spring MVC, and Spring Security to support a large-scale enterprise communication platform used by thousands of users.
- Built and optimized RESTful APIs for authentication, subscription management, and messaging workflows, reducing API response times by 35%.
- Implemented event-driven architecture using RabbitMQ for real-time call event processing, async notifications, and distributed message delivery.
- Worked on backend modules for the Electron-based desktop app, implementing secure token validation and multi-device session handling.
- Created CI/CD pipelines using Maven and GitHub Actions for automated builds, testing, and deployments, reducing manual deployment errors.
- Designed logging and exception-handling middleware using Spring AOP to improve debugging, observability, and production monitoring.

BNY Mellon, Software Engineer I

Jun 2019 – May 2021

- Developed enterprise Spring Boot applications handling high-volume financial data.
- Built secure REST APIs with Spring Security and JWT-based authorization.
- Implemented CI/CD with GitLab, Maven, and Docker, reducing deployment time by 40%.
- Configured and supported enterprise applications, including database and API integrations.
- Collaborated with cross-functional teams to troubleshoot and resolve system issues, ensuring high availability of applications.

Internship

York College, Software Engineer Intern

Jun 2024 – Dec 2024

- Built backend microservices for “YorkGPT,” improving student access to academic info.
- Developed REST APIs that served structured data for LLM-based responses.
- Implemented embeddings, preprocessing, and prompt engineering to reduce hallucinations.
- Collaborated in Agile workflow and contributed to testing and deployment pipelines.

Tech Incubator at Queens, Software Engineer Intern

Jun 2024 -- Sept 2024

- Delivered software solutions by collaborating with cross-functional teams, ensuring alignment with project goals.
- Enhanced code quality by writing clean, maintainable, and efficient code, improving overall project scalability.
- Used React and Google Colab for data processing and front-end tasks.

AuriStor Inc., Software Engineer Intern

Feb 2024 – Apr 2024

- Built admin dashboard in React/TypeScript for internal workflow management.
- Implemented OAuth 2.0 authentication for secure system access.
- Visualized Kubernetes pod metrics and improved observability for AI workflows.