Sowmik Shovon Karmakar

Computer Science Graduate | Test Automation | DevOps

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sowmik-portfolio-nextjs.vercel.app/

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Summary

A detail-oriented Computer Science graduate with hands-on experience in DevOps, Test Automation, and Full-Stack Web Development. Passionate about building and maintaining efficient, scalable software solutions and CI/CD pipelines. Seeking a challenging role in DevOps to apply a strong foundation in Java, Selenium, Docker, Jenkins, Kubernetes and AWS to contribute to a dynamic technical team.

Skills

Languages — Java, Python, JavaScript, TypeScript, SQL

Automation Testing — Selenium, TestNG, Maven, Allure, BrowserStack, BDD (Gherkin, Cucumber)

DevOps — Jenkins, Docker, Kubernetes (Basic), Vagrant, Git, GitHub

Cloud Computing — AWS (EC2, Lambda, S3, RDS, IAM)

Web Development — React.js, Next.js, Node.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Sass

Databases — MySQL, PostgreSQL, MongoDB

Operating Systems — Linux, Windows

Android Development — Java, Android Studio, Flutter, Google Map, Firebase

Projects

DevOps Pipeline Automation

• A Jenkins pipeline to **deploy a open source ZOMATO Clone App** using a variety of modern DevOps tools and services like **GitHub, Jenkins, SonarQube, Docker, ArgoCD, OWASP, Trivy** etc.

Advanced Portfolio Website 🗷

- Developed a dynamic, fully responsive personal portfolio website to showcase technical projects and skills.
- Built with Next.js and React for server-side rendering and optimal performance.
- Styled using Tailwind CSS for a modern, clean, and mobile-first user interface.

Spotify Music Player Clone 🛮

- Created a feature-rich Spotify clone with user authentication, playlist browsing, and music playback capabilities.
- Utilized Next.js, React for managing application state and upload capability using SupaBase.
- Implemented secure user login and session management to provide a personalized user experience.

Professional Experience

Junior Test Automation Engineer

A1QA

12/2023 – 06/2024 Dhaka, Bangladesh

- Developed and maintained web automation scripts using Java and Selenium, following detailed test cases to ensure application quality.
- Designed and implemented automation frameworks utilizing Page Object Model (POM) for enhanced script maintainability and scalability.
- Generated comprehensive test reports with Allure and performed crossbrowser testing on BrowserStack to validate functionality across multiple platforms.
- Gained practical experience with DevOps tools including Docker, Jenkins, and Git within an agile development environment.
- Collaborated effectively with a team of international professionals in daily communications.

Education

MSc in Computer Science (PMSCS)

Jahangirnagar University

2023 – 2025

Dhaka, Bangladesh

BSc in Computer Science (GPA: 3.19/4.00)

BRAC University

2017 – 2022 Dhaka, Bangladesh

Additional Information

Languages

Bengali (Native), English (Fluent)

Organizations

2018 - Present

• Social Media and IT Adviser for NREE, a non-profit organization

Interests

Photography, Series Watching, Gaming