Nishk Balsara
DevOps Engineer

LinkedIn | nishkbalsara.com | Github
Toronto, Canada | iamnishkb@gmail.com | +1(437)989 - 8511

Professional Summary
Results-driven Computer Science graduate with 2+ years of experience in API design and DevOps methodologies. Proficient in leveraging AWS technologies (EC2, S3, Lambda), Docker, Kubernetes, Jenkins, and GitLab CI/CD to optimize development efficiency, ensure rapid software delivery, and drive continuous improvement across teams.

Education
BSc. Computer Science, *York University, Toronto, ON* — *Sept 2019 - May 2024*
Certified Cloud Practitioner, *AWS* — *July 2024*
Cs5 Intro. to Computer Science, *Edx Harvard University* — *Dec 2019*

Experience
Backend Developer Intern, *Moreshop (remote)* — *May 2023 - April 2024*
- Designed and developed **TypeScript**-based APIs to streamline task execution within a **SaaS** platform.
- Implemented microservices architecture using **Docker** to enhance scalability and performance in a SaaS project.
- Collaborated with senior developers using **JIRA** to optimize systems, achieving a 20% faster response time.
- Documented microservices designs and development processes using **Confluence**.

IOS Developer Intern, *iTAgenturen (remote)* — *Jan 2023 - April 2023*
- Developed a user-friendly mobile app with wireframes in **Adobe** XD, ensuring clarity for the final product.
- Implemented Firebase API for secure authentication and data storage, reducing security incidents by 25%.
- Collaborated with cross-functional teams to translate design concepts into appealing app features.
- Built and maintained the iOS application using **Swift**.

Programmer Assistant, *Office Of the Dean, Lassonde at York* — *June 2022 - Aug 2022*
- Allied with the Director of Strategic Policy and Planning at Lassonde School of Engineering
- Integrated **relational databases** and **SQL** to efficiently manage large university datasets..
- Prepared detailed reports on project specifications and progress, highlighting conflicts and resolutions.
- Recommended technologies that increased efficiency and boosted productivity by 30%.
- Used **Power BI** to analyze data and create visual reports, enhancing decision-making and project outcomes.

Projects
KubeFlix: Deploy Netflix clone on Kubernetes
- Developed **Docker** images for a Netflix clone, enabling seamless deployment and scalability.
- Deployed and managed the application on a **Kubernetes** cluster, creating deployment and service manifests.
- Automated the build, test, and deployment processes with **CI/CD** pipelines, ensuring continuous delivery.
- Set up Prometheus and Grafana for monitoring, and configured horizontal pod autoscaling for traffic variation.

Process Scheduling Simulator
- Built a multi-process scheduling simulator in **C**, implementing FCFS, RR, and SJF algorithms.
- Read process information from input files, including IDs, CPU time, and arrival times.
- Innovated custom data structures for task management, including queues for scheduling algorithms.
- Analyzed simulation results, showcasing strong problem-solving and analytical skills.

AI DeskMate
- Generated an AI desktop assistant using **OpenAI API** and **Python**, enabling natural language conversations.
- Applied Python **Speech Recognition** library for accurate voice commands and interactions.
- Utilized **AWS CodeWhisperer** to enhance code quality and streamline development processes.
- Created a conversational interface that simulates human-like dialogue, improving user engagement.

Skills And Tools
Languages: Java, C++, JS, Html, Css Typescript | *Database*: SQL, MongoDB | *Cloud and DevOps*: AWS (certified), Docker, Jenkins, CI/CD pipelines | *Web Development*: REST API's, Firebase, Adobe XD | *Project Management*: Jira, Confluence, Git | Other: JUnit, Windows Server, Office 365