Barun Gambhir

Canadian Citizen

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Experience

SAP   **Vancouver, BC**
Software Developer Intern   *September 2024 – Present*

- Designed and developed JWT tokens' health check mechanisms using Python and added authentication for endpoint access, increasing system security with minimal downtime
- Automated CI/CD pipelines using Jenkins and Docker reducing build times for deployments by 25%
- Improved microservice reliability by testing and debugging REST API calls and HTTP requests using Insomnia with JSON, resolving 50+ critical bugs
- Executed cloud migrations for systems involving real users across AWS to Azure landscapes, ensuring seamless transitions with minimal customer downtime
- Boosted application security and improved code reliability by performing static code analysis to identify and resolve 400+ vulnerabilities and implement secure coding practices

Motorola Solutions   **Vancouver, BC**
Software QA Analyst Intern   *January 2023 – September 2023*

- Designed and developed test cases for the entire storefront website, executed test runs, and conducted end-to-end testing, enhancing security by achieving 100% code coverage
- Developed and maintained test automation scripts using the Python's Selenium framework to test dynamic UI for both single and multi-page websites and reduce manual testing efforts
- Integrated automated tests into Jenkins CI/CD pipelines, streamlining the deployment process and ensuring continuous delivery of high-quality software
- Performed root cause analysis and efficiently tracked and documented issues using JIRA and Confluence, resulting in a 25% reduction in defect resolution time

Microserve   **Vancouver, BC**
IT Assistant Intern   *January 2022 – September 2022*

- Provided end-user technical support by troubleshooting and resolving software and network issues using ConnectWise, reducing incidents reported on ServiceNow and ensuring 100% customer satisfaction

Projects

Text Summarizer Bot ⓞ | *Python, PyTorch, FastAPI, Hugging Face*

- Fine-tuned pre-trained text summarization models using Hugging Face Transformers on custom datasets, and integrated the model into an end-to-end FastAPI application for real-time text summarization

Interview Prep Assistant ⓞ | *Typescript, React, NodeJS, MongoDB, OpenAI*

- Developed an AI-driven interview prep platform using OpenAI API to generate questions and feedback, integrated speech-to-text, and implemented backend services with MongoDB for efficient data handling

Library Management System ⓞ | *Java, Spring Boot, Thymeleaf, HTML, Maven*

- Developed and deployed a Library Management System using Java Spring Boot incorporating CRUD operations with H2 Database and implemented the frontend using Thymeleaf for dynamic data rendering

Skills

Languages: C, C++, Go, Python, Java, JavaScript, TypeScript, HTML/CSS
Software: AWS, Azure, Docker, Kubernetes, Cloud Foundry, MySQL, MongoDB, Jenkins, GitHub, Bitbucket, Gerrit, IntelliJ IDEA, PyCharm, Jupyter Notebook, Jira, Confluence

Education

Simon Fraser University   **Burnaby, BC**
B.S. Computer Science (Minor in Mathematics) (**GPA:** 3.71/4.00)   *September 2020 – December 2024*