AJIT PAL

Full Stack Developer

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### Summary

Highly motivated Full-Stack Developer with 3+ years of experience designing, developing, and implementing innovative software solutions. Proven ability to collaborate effectively in agile environments to deliver high-quality projects on time and within budget. Expertise in e-commerce platforms, retail applications, and financial systems.

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### Technical Skills

- \*\*Expertise Area:\*\* Web Applications, Java Microservices Applications, REST API Applications, Scrum/Agile Methodology

- \*\*Languages:\*\* Java, JavaScript, Angular, React, HTML, CSS, Node.js

- \*\*Database:\*\* MySQL, Oracle, MongoDB, Firebase, DBeaver

- \*\*Version Control/Project Management Tools:\*\* GitLab, Git, Jira, Bitbucket, Jenkins

- \*\*Testing Tools/Methodology:\*\* Postman, SoapUI, REST API

- \*\*Skills Attained:\*\* Docker, Spring Boot, Microservices, Maven

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### Experience

\*\*Full Stack Developer\*\*

\*Walmart (through Meson Technologies)\* | June 2023 - January 2025

- Led the development and implementation of key features for Walmart's e-commerce platform, resulting in a 10% increase in user engagement.

- Designed and built RESTful APIs to integrate with various internal and external systems, ensuring seamless data flow and transaction processing.

- Optimized website performance by implementing caching strategies and improving database queries, leading to a 15% reduction in page load times.

- Collaborated with cross-functional teams to gather requirements, conduct user testing, and deliver solutions that met business objectives.

\*\*Backend Technologies Used:\*\* Node.js, NestJS, MSSQL, GraphQL, Apache Airflow

\*\*Frontend Technologies Used:\*\* ReactJS, Next.js

\*\*CICD Tools Used:\*\* Docker, Kubernetes, Splunk (logging)

\*\*Full Stack Developer\*\*

\*Meson Technologies\* | August 2021 - May 2023

- Provided support and development services for various clients, including BMO, RBC, Citi Bank, and Marks, ensuring the smooth operation and enhancement of their applications.

- Developed and implemented code in Java to automate test cases, resulting in a 90% reduction in manual testing effort.

- Provided prompt solutions using proprietary API testing tools to verify response load and validate application state, improving data flow in forex trade across the capital market domain.

- Collaborated as part of an agile scrum team responsible for reporting, scripting, and developing new applications using Java and Python.

- Defined, developed, and executed automation test scripts using Java, leveraging black and white box testing across functional, non-functional, and performance testing.

- Conducted functional and regression testing using Selenium with data-driven frameworks and UFT with TDD, leading to a 14% reduction in automated testing bugs.

\*\*Backend Technologies Used:\*\* Java Spring Boot, NestJS, Node.js, Express.js, GraphQL, MSSQL

\*\*Frontend Technologies Used:\*\* ReactJS, Angular

\*\*Full Stack Developer (Intern)\*\*

\*Meson Technologies\* | May 2021 - August 2021

- Contributed to the definition of the test strategy and implementation of infrastructure for test documentation, plans, cases, scenarios, and scripts.

- Performed end-to-end testing, managed bug tickets, and provided regular updates on test progress.

- Improved the release process by automating manual QA tasks with Jenkins Continuous Integration server.

- Executed data-driven testing using Selenium WebDriver and JUnit functions, reading data from property and XML files.

\*\*Android Developer (Freelance)\*\*

January 2019 - August 2019

- Implemented eight new design documentations for the login screen UI using HTML and Bootstrap, handling authentication with the backend server and increasing registration completion by 15%.

- Collaborated with a team of four software development and testing professionals to design and develop robust solutions that met user needs, functionality, scalability, and performance requirements.

- Developed solutions for applications using JMeter and load balancers, reducing app size by 65% and improving performance. Also, performed debugging to address memory leaks.

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### Projects

\*\*To Ride: Bike Rental Application\*\*

- Developed a real-time model using Firebase and Google APIs for data retrieval and account creation.

- Wrote automated scripts with XPath to ensure cross-browser compatibility.

- Created forms using React, jQuery, and JavaScript for user data collection and validation.

\*\*Notes-Taking Application\*\*

- Designed a note-taking app that processes handwritten notes using Java and Android.

- Implemented search, sort, and testing functionalities, improving usability and reducing runtime by 60%.

\*\*Lost and Found Application\*\*

- Developed a MERN stack application for reporting and claiming lost items.

- Created automation test cases for inventory tracking and other modules.

- Utilized AJAX and JSON for asynchronous data fetching from the project server.

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### Education

\*\*Mobile Application Design and Development, Post Graduate Certificate\*\*

Lambton College, Toronto | January 2020 - August 2021

\*\*Bachelor of Computer Applications\*\*

Punjab Technical University, India | July 2016 - August 2019

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### Achievements and Leadership Roles

- Led initiatives during convocation week and training sessions, increasing participation in the college engineering club's software engineering sessions by over 200 students.

- Identified and reported over 100 bugs in open-source projects, contributing to code quality and project success.

- Collaborated effectively with developers and demonstrated problem-solving skills by delivering solutions that enhanced analytical and logical thinking.