DAMAN PATEL

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EDUCATION

M.S., **Computer Science**, California State University, Long Beach | **GPA: 3.25/4.0**   **Aug 2021 – May 2023**
B.E., **Computer Engineering**, Gujarat Technological University, India | **GPA: 9.68/10**   **Aug 2017 – May 2021**

TECHNICAL SKILLS

Languages and Methodologies: Java, JavaScript, Python3, HTML5, SQL, CSS, SAFe Agile, Scrum, SDLC, XML
Libraries and Frameworks: JUnit, JMeter, Node, React, Angular, JQuery, Selenium, TestNG, AWS Cloud Practitioner
Tools and Technologies: GIT, Postman, JIRA, VS Code, Eclipse, Jenkins, REST API, SOAP, JSON, MS Office, Windows, Linux
Database: Oracle SQL, MySQL, Mongo DB, SQLite, Firebase, ElasticSearch, Cassandra

PROFESSIONAL EXPERIENCE

Software Developer – CloudData Technology LLC, USA   **Feb 2024 – Present**
- Developed RESTful APIs with **Java Spring Boot** in a **Test-Driven Development (TDD)** environment, following **Agile/Scrum** methodology, to create robust and high-performing applications.
- Integrated **Jasper Reports** into **Java/J2EE** applications to generate **10+** reports from various data sources including databases, XML files, and web services.
- Conducted comprehensive **API** testing and **Automation Testing** utilizing Java **Selenium WebDriver** and **Postman**
- Configured modules using the **Log4j** framework, increasing the application responsiveness by **25%**.

Software Developer – California State University, Long Beach, USA   **Sept 2021 – May 2023**
- Built **RESTful APIs** using **Java Spring Boot** to build resilient and high-performance applications.
- Constructed and enhanced **Java/J2EE** applications for client-server environments, leveraging software design documentation and incorporating new functionalities.
- Executed **Unit** and **Integration tests** utilizing **JUnit**, **Mockito** and **Spring TestContext** and achieved **90% of code coverage**.
- Utilized **Maven** for dependency management and build automation thus **saving the architecture cost by 30%.**

Software Engineer – Warble Solutions, India   **July 2019 – June 2021**
- Collaborated in a 5-person team to build **SPAs** and dynamic UIs with **React.js** and **Angular.js** improving load times by **60%.**
- Utilized **AWS** services such as **Amazon EC2**, **Amazon S3**, and **Amazon RDS** to build and deploy scalable and resilient microservices backend in **Java Spring Boot.**
- Owned requirement gathering, reviewed functional specifications, testing, deployment, and documentation of applications.
- Established **Single Sign-On (SSO)** for authentication of microservices using **JWT** and **OAuth2**, making the services secure.
- Utilized **GIT** and **Jenkins** for **CI/CD**, containerized applications with **Docker**, and deployed them on AWS cloud platforms.
- Communicated with cross-functional teams using **JIRA**, including developers, QA, and project managers, to ensure all team members were aligned on workflows.

PROJECTS

Student Management System (Java16, Spring Boot, Spring MVC, Spring Data JPA, MySQL, Thymeleaf)   **Mar 2024**
- Developed Spring MVC features like mapping requests, handling form submissions, and managing views using Thymeleaf templates and Spring Data JPA for database access and Hibernate for Object-Relational Mapping (ORM).
- Achieved 50% performance boost by caching frequently accessed data and increased security by including OAuth2 for authentication and authorization.

Search Engine – Masters Project (Java18, SQLite, JDBC)   **April 2023**
- Developed a Search Engine software application following Object Oriented Development and Design principles to index a directory of 150,000 documents using a positional inverted index which resulted in search for query terms in 2ms.
- Tested components of search engine like query processing, K-gram index, Wildcards and achieved 95% of code coverage.
- Incorporated a disk-based inverted index using SQLite and reduced 5GB memory requirement to 200mb.

Amazon Clone Website (React.js, Stripe.js, CSS3 & Tailwind CSS v3.0, Firebase)   **Dec 2022**
- Designed an E-commerce Amazon clone website using front-end technologies React.js, HTML and CSS.
- Authenticated user credentials using Google Firebase Auth REST API and handled 500 user logins.
- Collected 5 sensitive user records and implemented secured payments using Stripe.js API.