

ADVAIT PRAMOD DESHMUKH

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PROFESSIONAL EXPERIENCE:

SENIOR SOFTWARE ENGINEER - WORLD VISION INFOTECH PVT LTD.

Remote, India

Jan 2024 - Present

- Developed a Custom Resource Management System (RMS) with **Java, Spring Boot**, Angular, Ionic, PostgreSQL, reducing external processing costs by 30%.
- Optimized **CI/CD Jenkins pipelines** by implementing parallel test execution, dependency caching, and reducing test redundancies, cutting deployment time by 70%.
- Architected and implemented an AI-powered customer service chatbot using **Python, OpenAI API**, and **Flask**, incorporating prompt engineering and context management to achieve 65% automation of customer inquiries.
- Directed initiatives to **improve documentation** across team services, increasing visibility and knowledge sharing.
- Implemented **Agile Scrum** processes, including Daily Scrum calls, Sprint Planning and Retrospectives, reducing task estimate overruns by 20%.
- Mentor a team of 5 engineers on coding standards, architectural design, and Agile best practices.

TECHNICAL CONSULTANT - PERFICIENT INC

Redmond, WA, USA

Apr 2022 - Dec 2023

- Optimized Insurance Claims API processing, writing **Adapters** and **REST** service calls, using **Java, Spring Boot, Oracle SQL DB**, and **JAX-RS**, increasing automation levels from 88% to 93%, for 12,000+ daily pharmacy orders
- Engineered the back-end of a research analytics web application, handling 15,000 transactions per minute using **Spring Boot** and **PostgreSQL**, improving data processing and CRUD functionality.
- **Refactored** legacy Java/Spring systems, optimizing batch jobs and API calls, **reducing server costs by 40%**.
- Improved the **Regression Testing** suite by **24%** through implementation of Cucumber verification steps.
- Proactively identified and resolved over 250 production issues and security vulnerabilities, ensuring system integrity and maintaining **99.99% uptime**.

SOFTWARE DEVELOPMENT ENGINEER – AMAZON.COM

Seattle, WA, USA

June 2020 - Mar 2022

- Designed and implemented features and solutions for the Account Integrity team, improving functional and operational aspects of internal CAPTCHA and risk mitigation services in an **Agile Kanban** environment.
- Developed automated workflows for AWS services- **DynamoDB, SQS, SNS, Lambda, Redshift**, reducing manual tasks by 80%.
- Led the design and implementation of a browser-based bot challenge system, utilizing **TypeScript, JSX, Java**, and **Spring MVC**, reducing bot sign-ups and sign-ins by 26%.
- Optimized CAPTCHA service code by improving service design and implementing **asynchronous processing in Java** to reduce processing time from 650ms to 560ms, boosting performance by 14%.
- Led the deprecation of an internal service, leveraging **data analytics** insights through **Jupyter notebooks** and collaborating with cross-functional teams, resulting in a 20% reduction in operational costs.

SKILLS:

- **Full-Stack Development:** Python, Java, JavaScript/TypeScript, HTML, CSS (SASS, SCSS, Tailwind)
- **AI/ML Technologies:** LLM APIs (OpenAI, codellama), TensorFlow, PyTorch, Keras
- **Cloud and Infrastructure:** AWS, Docker, Kubernetes, Jenkins
- **Databases:** SQL - MySQL, Oracle SQL Developer, PostgreSQL; NoSQL - DynamoDB, MongoDB
- **Frameworks:** Spring Boot, Spring MVC, Ionic, Flask, Django, REST APIs, React.js, Next.js, Angular
- **Tools:** Maven, Kafka, Postman, OpenAPI, Jupyter Notebooks, Grafana, Splunk, Git, GitHub, BitBucket
- **Libraries:** Google Guava, Lombok, Jackson, Hibernate, OpenCV
- **Testing:** JUnit, Mockito, PowerMock, Selenium, Cucumber / Gherkin, Postman, JMeter

Certifications: AWS Certified Cloud Practitioner (Validation Number: ESTDV3KC6EVEQ6GQ)

EDUCATION:

University at Buffalo, The State University of New York

Master of Science, Computer Science and Engineering

Buffalo, NY

August 2018 – February 2020

University of Mumbai

Bachelor of Engineering, Computer Engineering

Mumbai, India

August 2013 – May 2017