

# AKSHAY RAM CHAUDHARI

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## SUMMARY

Accomplished software developer with 5 years' experience in designing, developing, maintaining cloud-based software. Delivered highly scalable solutions with 1 million users. Assumes Ownership of projects from conception to deployment.

## EDUCATION

**California State University, Fullerton, CA** | Master of Science, Computer Science      January 2022 - December 2023  
**Pune University, Pune, India** | Bachelor of Engineering, Computer Science      June 2013 - May 2017

## PROFESSIONAL EXPERIENCE

**Pierian India Pvt. Ltd.** | Software Engineer (Full-Time) | Pune, India      April 2021 - July 2022

- Designed and built a scalable microservices architecture (Spring Boot, Docker) on AWS for a healthcare platform, improving performance and maintainability
- Integrated user data retrieval on AWS S3 with pre-signed URLs, leveraging CloudWatch for monitoring, leading to a 10% reduction in report resolution time
- Optimized Mongo DB query, to mitigate data-read bottleneck issue, through profiling, indexing, and isolation techniques, boosting fetch performance by 60%
- Revamped UI, to improve page load performance, through Lazy Loading, Caching, Pagination, Debouncing, and media-specific CSS loading, achieving a 90% reduction in load time (from 20 seconds to 2 seconds)
- Refactored legacy codebases within a large-scale microservices architecture (built with Spring Boot and Docker) on AWS, to improve maintainability, security, scalability, resulting in 50% less critical incidents during version upgrades

**Oracle Financial Services Software Ltd.** | Software Engineer (Full-Time) | Pune, India      September 2017 - April 2021

- Spearheaded asynchronous Import-Export functionality, to support bulk data files, by writing batch jobs and JSON Object parsing utility, enabling concurrent uploads/downloads of large files and saving over 80% of data entry time
- Upgraded user services, to resolve product functionality gaps, by designing extensible SOAP and REST API endpoints, resulting in a 70% reduction in support tickets
- Fostered deployment workflow, to cover three distinct node and Java-based development environments, using docker and Jenkins based CI-CD pipelines, speeding dev testing process
- Orchestrated collaboration between cross-functional offshore and on-site development teams, to optimize APIs for banking regulatory changes, resulting in a 60% less compliance errors

## TECHNICAL SKILLS

- Java, J2EE, Spring boot, Spring MVC, Microservices, REST API, Design Patterns, Kafka, RabbitMQ, JMS, Spark.
- MySQL, PostgreSQL, PL/SQL, MongoDB, Spring Data JPA, JDBC, Hibernate, Redis, Hadoop.
- JavaScript, TypeScript, Angular, React, Node.js, Bootstrap, JSP, Ajax, Bash, Linux, Shell.
- Docker, CI-CD, Kubernetes, Maven, Gradle, Oracle SQL, Oracle BI Publisher, WebLogic, Splunk.
- AWS, GCP, Oracle Cloud, JUnit, Mockito, Selenium, Swagger, Log4j, Agile, JIRA, Git, GenAI, Open AI Integration.

## ACADEMIC PROJECTS

- Smart Tuffy: Devised an AI-powered chatbot to help college students discover their class schedules and club events in an interactive and user-friendly way, consuming Open-AI, Next.js and MongoDB.      February 2024
- Super Duper Drive: A cloud storage app for note, password, file upload on AWS by actualizing Mybatis data mapper, Thymeleaf template engine and Spring security.      December 2022
- Course API: Rest API using Spring boot and MVC model.      December 2020

## ACADEMIC EXPERIENCE

**California State University, Fullerton, CA** | Assistant Software Consultant      September 2022 - December 2023

- Administered and migrated virtual desktops to AWS to upgrade virtual labs' infrastructure at school, using AWS AppStream image builder, boosting scalability and achieving a remarkable 40% increase in computer availability
- Authored data backup utility and troubleshoot vulnerability, performance, and usability issues for websites and servers reported by Qualys & ATI Scan to make services highly available, reducing downtime to 1%

## ACCOMPLISHMENTS

- 2nd Winner Prize in the Annual Hackathon at Pierian: Engineered a variant database solution.      April 2022
- Employee Recognition Award for Teamwork by Pierian & Star Techie Award by Oracle      November 2021
- IEEE Research Paper: Employed user profiling & social media analytics.      October 2017