Rohith Reddy Kancharakuntla

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SUMMARY

Experienced full stack SWE with **2.5** YOE in web dev. Expertise in developing complex features using ReactJs, Angular, Spring Boot, MySQL and AWS cloud technologies

EDUCATION

University of California Riverside, Riverside, CA **Sep 2023 – Dec 2024**

Master of Science in Computer Science GPA: 3.8/4

Coursework: Design and Analysis of Algorithms, Big Data Management, Artificial Intelligence, Adv Operating Systems

Teaching Assistant: Data Base Management Systems, Intro to Python

VNR VJIET, Hyderabad, India **Jul 2017 – Jul 2021**

Bachelors of Technology in Computer Science GPA: 3.9/4

SKILLS

Languages : JavaScript, TypeScript, Java, Python, Tailwind, HTML, SCSS, CSS, C, C++

Web Dev : Angular, React, Redux, NextJs, Spring Boot, Kafka, Flask, NodeJS, ExpressJs, Bootstrap

Databases : MySQL, MongoDb, PostgreSQL, Cassandra

Cloud : AWS, S3, SNS, SQS, Cloud Foundry

Tools : Kubernetes, Docker, Terraform, Git, CI/CD, Jenkins, Postman, Blazemeter, Linux

Certification: AWS Certified Solutions Architect – Associate, Neural Networks and Deep Learning

EXPERIENCE

JP Morgan Chase & Co **Hyderabad, India**

Software Engineer ***Aug 2021 – Aug 2023***

- Led migration of Legacy Notary Tracker to **AWS**, transitioning to a function based **React** architecture, enhancing scalability and state management with **Microservices** and **Redux**, cutting infrastructure costs by **40%**.
- Architected **9** critical reports, transitioning from manual Swagger APIs to a microservice architecture using **Java 17** and **Spring Boot**. and integrated a distributed email system, reducing ad hoc requests by **75%**.
- Engineered an **Angular** analytics module for the Banker Dashboard, aggregating metadata from over **100K+** weekly banker interactions to provide real-time insights into user trends and interactions.
- Designed the KYC module and onboarded **3k+** users to the new KYC articles and links dashboard, enhancing user experience concurrently directed the critical upgrade of **NodeJS** from **v12 to v18**, improving system robustness.

JP Morgan Chase & Co **Hyderabad, India**

Software Engineer Intern ***Mar 2021 – Aug 2021***

- Extracted and analyzed over **80k+** transactions in **Cassandra** database using complex queries, leveraging **Spring Boot** to build RESTful APIs for effective data retrieval, and created **React**-based visualizations for business intelligence.
- Implemented OpenID Connect, bolstering internal security and compliance across the application by safeguarding PI data with stringent authentication and authorization protocols.
- Delivered **90%** code coverage using **Junit** and **Jest** Framework, enhancing application reliability and collaborated in **Agile Scrum**, sprint planning, designing and code reviews adhering to **SDLC** and **TDD** principles.

JP Morgan Chase & Co **Hyderabad, India**

Software Engineer Intern ***Jun 2020 - Aug 2020***

- Engineered Camp Diaries, saving **100 hours** weekly by increasing student availability by **15%**, crafted **REST APIs** for the Enterprise Password Vault, enhancing security and streamlining password rotation.
- Developed a Progressive Web App using **Angular**, in line with the **JPMC design**, security standards and deployed to **AWS**.

PROJECTS

Advance Software Testing: Test Coverage and Fault Analysis

- Devised a **Python-based** fault analysis system using **gcov**, achieving deeper insights into code behavior and improving vulnerability identification.
- Utilized the **gcov** library for comprehensive code coverage analysis, refining test case prioritization and exposing **21** of **23** fault versions, resulting in enhanced test coverage and a significantly more efficient fault detection process.

Medicare Fraud Detection

- Performed data joins on healthcare datasets - part D prescriber, LEIE, and payment data from **CMS.gov.in**, of **3GB** with **1 million** records, to identify fraudulent NPIs.
- Leveraged **Spark SQL** for advanced data query analysis to extract key insights in healthcare datasets. Applied **SparkMlLib** models - Logistic Regression, Gradient Boosting classifier; resulted in **85% accuracy** in detecting fraudulent doctors (NPIs).