JAGANMOHAN REDDY POCHA

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Education

University of Colorado Denver	**Jan 2023 – Dec 2024**
Master's in computer science, GPA: 3.7/4.0	*Denver, USA*

Technical Skills

Languages: Java, JavaScript, Python 3, HTML 5, CSS 3, C, SCSS, JSON **Databases**: Oracle, SQL, MongoDB, PostgreSQL
Tools/Frameworks: Spring Boot, React JS, Spring Boot Web, Spring Boot Data JPA, MVC, Spring Security, Hibernate, Redis, Docker, Kubernetes, Kafka, GIT, Postman, VS Code, Eclipse, Gradle, Maven, Artificial Intelligence, Machine Learning, Natural Language Processing **Software Engineering Methodologies**: Agile, Scrum **Operating Systems:** Windows, Mac OS

Experience

Intern Optima	**Sep 2024 – Dec 2024**
Software Developer Intern	*Houston, Texas*

- Implemented **session and refresh token** logic, integrating **Redis** to store tokens with **TTL**, enhancing application security and reducing response time by **110** milliseconds through in-memory data management.
- Integrated **Stripe payment gateway** into the app, enabling seamless auto-renewal subscriptions, multi-currency support and payment methods (debit/credit, PayPal, Apple Pay), improving user retention by streamlining transactions for **40k+** users.

Capgemini	**Jan 2021 - Dec 2023**
Software Developer	*Bangalore, India*

- Developed **80+** endpoints following **SOLID principles**, adding necessary validations to ensure seamless integration and operation between the backend and frontend.
- Created and presented a library of **reusable UI** components following the atomic structure to the client and team, ensuring consistent design across micro frontends and reducing redundant **coding efforts by 35%.**
- Executed comprehensive **unit and integration testing using Enzyme and React**, enhancing application reliability by 25% and reducing post-release defects by **30%.**
- Established a **CI/CD** pipeline using **Jenkins** and **Docker**, reducing deployment time by **40%** and ensuring smooth, error-free deployments.
- Crafted a **JWT token** process that generates token from user details for secure client-server data transmission, with the flexibility to configure expiration time from **10 minutes** to any other value via application properties.

NowApps	**Jun 2019 - Aug 2019**
Android Developer Intern	*Bangalore, India*

- Analyzed Android Studio IDE and Gradle dependency management system and gained a deep understanding of the android and fragment activity lifecycle.
- Developed static Android applications including a calculator and a to-do list app, enhancing understanding of core concepts in Android development and user interface design.

University Projects

AI Powered Talent Shortlisting and Matching Tool | *Python, VS Code*	**Aug 2024 – Dec 2024**

- Engineered an algorithm utilizing advanced Natural Language Processing (NLP) to enhance candidate-job matching, improving hiring efficiency and accuracy by ranking candidates based on profiles and job requirements.

Enigma Machine | *Java 8, Eclipse*	**Jan 2024 – Apr 2024**

- Enhanced the Enigma machine **cipher device** by modifying to include 3 rotors, each rotating 2 steps per character for encryption and decryption, increasing complexity from **676** to **17,576** possible rotor configurations.

Flight Management System | *Android Studio, Postman, Firebase, XML*	**Jun 2023 – Aug 2023**

- Devised an Android app named **Swiftly**, a flight management system that utilizes readily available RESTful APIs to enable users to search for flights across **195 countries** based on source, destination, and travel dates.

Awards and Certifications

- AWS Certified Developer Associate 2025.
- Honored with Green Horn developer, Star and Rising Star Awards.