

POOJITH REDDY ANNACHEDU

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EDUCATION

Illinois Institute of Technology, Chicago, IL

Aug 2023 – May 2025

Master's in Computer Science (MCS)

GPA: 3.83

Mahatma Gandhi Institute of Technology (MGIT), Hyderabad

July 2018 – July 2022

Bachelor of Technology in Electronics and Communication Engineering

GPA: 3.7

WORK EXPERIENCE

ADP

July 2022 – July 2023

Member Technical

Hyderabad, India

- Developed and optimized client-focused applications using Java, JSP, and SQR, enhancing reporting capabilities and reducing UI complexity for improved client satisfaction.
- Automated application and renewal processes by creating 4 JSP pages with HTML5, JavaScript, CSS3, jQuery, and AJAX, reducing manual workload by 92%.
- Utilized Jenkins to manage CI/CD pipelines, overseeing 50+ monthly builds and ensuring smooth deployments across four environments.
- Deployed 120+ critical client applications from EV5 to EV6, leveraging AWS services for resource management and cloud adaptability. Collaborated on backlog planning, milestone tracking, and cross-team initiatives, ensuring alignment with Agile methodologies.

Technical Skills

Programming Languages: Java, Python, JavaScript, C++

Web Technologies: HTML, CSS, ReactJS, JSP, Servlets, RESTful API Design, JPA, JSON, Spring MVC, Spring Boot

Databases: MySQL, PostgreSQL, MongoDB, ElasticDB

Frameworks and Tools: Spring Boot, Hibernate, JUnit, Eclipse, MuleSoft

API and Integration Platforms: REST API, ActiveMQ, Kafka

DevOps Tools: Docker, Kubernetes, Jenkins, Maven, Nexus

Software Design and Architecture: Design Patterns, Clean Architecture, CQRS

Other Skills: Agile Methodologies, SAFE Agile Framework, CI/CD Pipelines, Object-Oriented Development, (TDD)

PROJECTS

Microservices-Based Retail Management System

Oct 2024 – Present

- Built a scalable **microservices-based retail platform** using **Spring Boot**, **MongoDB**, **MySQL**, and **Kafka** for seamless product and order management.
- Implemented **observability tools** like **Grafana**, **Prometheus**, and **Loki**, with distributed tracing via **Tempo** for robust monitoring.
- Containerized services with **Docker**, orchestrated with **Kubernetes**, and conducted integration testing using **TestContainers**. Enhanced security using **Keycloak** for role-based authorization and automated CI/CD pipelines with **Jenkins**.
- Designed and developed **RESTful APIs** to enable seamless interaction between microservices and external clients, ensuring scalability and reliability.

SmartHomes E-commerce Platform

Sept 2024 – Present

- Developed a **SmartHomes platform** with a **microservices architecture**, utilizing **Java Servlets**, **React**, and **MySQL**, enabling seamless management of smart device orders, shipment tracking, and real-time inventory updates.
- Integrated **OpenAI's LLMs** and **Autogen Gen AI** for customer query resolution and implemented **CI/CD pipelines** using **Docker**, **Kubernetes**, and **Jenkins** for containerized deployments.
- Optimized **database queries** using **MongoDB** and utilized **Elasticsearch** for semantic product search and analytics, enhancing search accuracy and performance.

The Movie Database App

Nov 2023

- Built a **Flutter-based mobile application** in **Dart** allowing users to explore and track movies, including adding favorites and viewing detailed information.
- Implemented **user authentication** and real-time data updates using **Firebase Authentication** and **Firestore**, ensuring seamless user experience and data synchronization.

Awards & Certifications

- AWS Certified Cloud Practitioner and Solutions Architect.
- Certified in Problem Solving and Python Programming on HackerRank.
- Solved 250+ coding problems on LeetCode, Interviewbit and HackerRank.