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SUMMARY

Full Stack Software Engineer with a Master's in Computer Science and over 3 years of professional experience delivering scalable, secure, and high-performing enterprise applications in the Banking, Insurance, and Healthcare domains. Skilled in Java, Spring Boot, Microservices, React, and distributed systems, with hands-on expertise in AWS, Docker, Kubernetes, and CI/CD pipelines. Proven track record of modernizing legacy systems, optimizing performance with caching and database tuning, and building cloud-native applications using event-driven architectures. Adept at applying OOP, design patterns, and system design principles to create production-ready solutions that align with business goals.

EXPERIENCE

Marlabs LLC

July 2023-Present

Software Programmer I

Project: SkillTrack360 – Enterprise Learning & Assessment Platform

Designed and developed *PolicyPro+*, a cloud-native insurance policy and claims management platform using Java 17, Spring Boot, Angular 14, PostgreSQL, and Redis.

Built event-driven workflows with Apache Kafka, implemented authentication via JWT, OAuth2, and Keycloak, and optimized performance with Redis caching.

Deployed microservices to AWS ECS through Jenkins pipelines, improving scalability and reducing downtime.

Claro Software Solutions

Jan 2021 – July 2023

Full Stack Software Engineer(Java)

Project: FinLoan360 – Loan Origination System Modernization

Revamped a monolithic loan platform into Spring Boot microservices with Angular UI, improving scalability and loan approval time.

Developed secure REST APIs, implemented JWT auth, integrated Redis, optimized Oracle DB, and automated CI/CD with Jenkins.

Ensured high code quality with TDD (JUnit, Mockito) and resolved production issues in collaboration with QA and stakeholders.

Claro Software Solutions

July 2020 – Dec 2020

Java Developer Intern

Project: ClinicConnect – Patient Appointment & Medical Records Portal

Built a web portal for appointment booking and patient records to digitize small clinics.

Developed Spring Boot APIs, responsive UI with HTML/CSS/JS, and MySQL schema design.

Tested APIs using JUnit & Postman, participated in Agile Scrum, and collaborated via Git/JIRA.

PROJECTS

Salon Booking Microservices App

- Designed a scalable microservices system with JWT authentication, enhancing security and reducing unauthorized access by 25%.
- Integrated WebSockets for real-time notifications and RabbitMQ for async messaging, improving communication efficiency by 20%.
- Deployed using Docker, speeding up deployments by 50% and ensuring consistent environments.

E-Donor - Blood Donation & Matching Platform

- Built a real-time donor-recipient matching system with location-based search, improving match accuracy by 30%.
- Integrated hospitals and tracked real-time blood availability, reducing response time by 20% for urgent donations.
- Optimized search using Elasticsearch, increasing query speed by 40% and enhancing user experience.

Distributed Backend System

- Developed a real-time event-driven system with Spring Boot, Kafka, and Redis, boosting response times by 20%.
- Implemented Docker and Kubernetes for containerization and orchestration, enabling scalable and efficient system growth.

- Designed fault-tolerant microservices with horizontal scalability, ensuring high availability under heavy load.

Medicine Reminder App

- Developed a cross-platform mobile app for medicine reminders using React Native & TypeScript, improving user engagement by 15%.
- Integrated push notifications for timely reminders and Async Storage for offline persistence, ensuring reliability during app usage without internet.
- Designed a responsive UI, enhancing user experience and increasing app retention by 10%.

Multi-Vendor E-Commerce Platform

- Built a scalable multi-vendor e-commerce platform with secure JWT authentication, improving system security and reducing unauthorized access by 20%.
- Integrated Razorpay and Stripe for seamless payment processing, enabling smooth transactions and increasing user trust.
- Developed seller dashboards, product management features, and admin controls for coupons & deals, improving operational efficiency by 15%.

Crypto Trading Platform

- Built a secure crypto trading platform with real-time price updates from CoinGecko API, ensuring up-to-date market information.
- Integrated an AI-powered chatbot for crypto-related queries, improving user engagement and response time by 25%.
- Secured transactions with 2FA authentication and integrated Razorpay/Stripe, enhancing transaction security and user confidence.

Cricket Win Probability Machine Learning Model

- Developed a machine learning model to predict cricket match outcomes using historical data and player/team metrics, achieving an accuracy improvement of 10%.
- Implemented and compared ML algorithms like logistic regression and Random Forest, optimizing for accuracy and increasing prediction reliability by 15%.
- Applied data preprocessing, feature engineering, and model evaluation techniques to enhance model performance and ensure robust predictions.

Cryptocurrency Data Analytics Project

- Performed web scraping to collect real-time cryptocurrency data, extracting key metrics like price, volume, and market capitalization, improving data collection efficiency by 20%.
- Conducted Exploratory Data Analysis (EDA) to uncover trends, correlations, and outliers, providing actionable insights into market behavior and increasing data understanding by 25%.
- Created an interactive Power BI dashboard to visualize trends and key metrics, aiding stakeholders in making data-driven decisions and improving decision-making speed by 15%.

TECHNICAL SKILLS

- **Languages:** Java, C#, Python, SQL, JavaScript, TypeScript, HTML, CSS, C/C++
- **Frameworks:** Spring Boot, .NET MVC, Flask, React, React Native
- **Developer Tools:** Git, VS Code, IntelliJ, Visual Studio, PowerBI, Jupyter Notebook
- **Cloud & Infrastructure:** AWS, Docker, Kubernetes, Terraform, CI/CD Pipelines
- **Operating Systems:** Windows, Linux
- **Data Science & ML:** ML models, Data Preprocessing, Feature Engineering, EDA, Statistical Analysis, Web Scraping, Data Visualization
- **Other Technologies:** Microservices Architecture, Distributed Systems, Event-Driven Systems, OpenAPI, Swagger
- **Coding Achievements:** Solved 200+ LeetCode problems
- **Programming Concepts:** OOP, Multi-threaded Programming

EDUCATION

Governors State University Masters in Computer Science

Aug 2023-May 2025

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate:** Amazon Web Services (AWS)
- Deep Learning for Computer Vision:** NPTEL
- Java Spring Boot: Professional eCommerce Project Masterclass:** Udemy
- Spring Boot Microservices with Spring Cloud, k8s & Docker:** Udemy
- Spring Security 6 with ReactJS, OAuth2, JWT:** Udemy