RAHUL GYAWALI

1717 S Dorsey Lane, Tempe, AZ 85281

✉ rgyawal1@asu.edu | in linkedin.com/in/rahulgyawali | ☎ (945)280-8725 | ⌂ rahulgyawali | ⊕ rahulgyawali.github.io/portfolio

EDUCATION

Arizona State University   **Aug 2023 - May 2025**
Master of Science in Computer Science   *Tempe, Arizona*
CGPA: 4.0/4.0
Coursework: Distributed Software Development, Distributed Database Systems, Software Verification and Validation.

Indian Institute of Information Technology, Allahabad   **Jul 2015 - Jun 2019**
Bachelor of Technology in Information Technology   *Prayagraj, India*
CGPA: 8.12/10
Coursework: Object Oriented Design, Database Management System, Data Structures, Algorithms, Distributed system.

SKILLS

Languages & Databases	Java, Python, C/C++, C#, JavaScript, Go, HTML, CSS, MySQL, PostgreSQL, Redis, MongoDB, DynamoDB, ChromaDB.
Frameworks & Libraries	Spring, SpringBoot, Spring Batch, Hibernate, JUnit, Mockito, .Net, Flask, Node, Express, React.
Technologies	Git, REST, SOAP, GraphQL, gRPC, Jenkins, Maven, Bitbucket, Nginx, AWS, GCP, Kafka, Vault, Docker, Kubernetes, Jira, Grafana, Prometheus, Elasticsearch/Logstash/Kibana(ELK).

EXPERIENCE

Senior Software Engineer   **Oct 2019 - Aug 2023**
Paytm Payments Bank   *Noida,India*

- Designed and maintained backend systems using Spring MVC, Spring Batch, MySQL, Redis, and AWS utilizing Prometheus, ELK, and Grafana for monitoring to cater to various Fintech Services serving millions of customers monthly.
- Scaled RESTful backend services and optimized database to improve the performance of the Corporate Bank Accounts Onboarding and Identity Verification System, currently holding a 40% market share in India's P2M payments.
- Executed DevOps practices, including containerization through Docker and Kubernetes utilization, collaborating on CI/CD pipelines with Jenkins, and incorporating JUnit for automated testing to ensure 99.99% system availability.
- Led a team of developers, performing code reviews and conducting daily scrum while spearheading multiple projects, collaborating with cross-functional teams and higher management in an Agile Environment.
- Innovated Full stack Internal Tools for the Staging Environment using SpringBoot as Backend and React.js as Frontend to reduce manual efforts and save over 4 days in the end-to-end Software Development Life Cycle(SDLC).

Software Engineer   **Jul 2019 - Sep 2019**
Paytm   *Noida,India*

- Built a customer relationship management(CRM) system on Java Spring Boot, attracting a substantial 0.2 million potential new customers to the platform and generating significant quarterly revenue growth.
- Developed a Document Management System with Amazon S3 and integrated it across various applications, offering a highly reliable service and reducing the overall TAT by 60% in document verification.
- Adopted a standardized Product Documentation framework and authored Unit Test cases with Mockito, resulting in a 90% test coverage, thus optimizing compliance requirements and enhancing smooth communication across the teams.

PROJECTS

OrderNow: Designed an order management system based on microservices architecture using Java SpringBoot, SQL(MySQL), and NoSQL(MongoDB) databases supporting asynchronous communication between services using Kafka Message queue.

Chatify: Implemented a serverless real-time chat application using Javascript, AWS Lambda, DynamoDB, S3, and WebSockets.

RetailGPT: Created a Streamlit app that discovers retail insights using Google PaLM 2 LLM API from Lancghain model, ChromaDB and HuggingFace.

GoDB: Built a JSON-based database using Go, providing basic database operations like adding, deleting, and querying records.

ParkBlock Pro: Developed a multithreaded Java application for a parking space block booking system, simulating dynamic pricing and order processing using event-driven programming.

AWARDS AND RECOGNITION

- Co-Authored a Research Paper entitled 'Cardiovascular Disease Prediction using Machine Learning Tools' at International Conference on Machine Intelligence and Signal Processing (MISP-2019) on Springer, Singapore.