Rishabh Agrawal

Production Engineer| rishabh.ag94@outlook.com | (817) 401-5713 | Menlo Park, CA

SKILLS

Java, C, Spring boot, Android SDK, RESTful APIs, SQL, Git, Eclipse, Jenkins, Kubernetes, Junit, RabbitMQ, NoSQL, AWS services: S3, Lambda, SQS, Route53, CloudFront, KMS, API Gateway

WORK EXPERIENCE

Meta Platforms, Inc.   Jul 2022 – Present
Production Engineer   Bay Area, CA
- Scalability: Led efforts to scale WhatsApp Cloud API to handle increased message volume, collaborating with development teams to optimize performance and resource utilization
- Latency: reduced average latency for WhatsApp Cloud API by 50%, leveraging data-driven insights to identify bottlenecks and implement targeted improvements for efficient request handling
- High reliability and availability: Achieved 99.9% WhatsApp Business production uptime, leveraging automation and proactive monitoring, reduce incidents and minimize downtime by 60%

UiPath   Jan 2022 – Jul 2022
Software Engineer   Austin, Texas
- Design, develop and maintain import and export endpoints for Integrations Service
- Refactored the infrastructure to deploy on-demand AWS hosts for internal Publishing elements
- Integrated mutation with >91% coverage and work on locales and real-time strings translations
- Redefine the protobuf client schema for backend interoperability with global platforms

Amazon   Sep 2020 – Jan 2022
Software Engineer   Austin, Texas
- Shipment Doc-Gen service: developed infrastructure pipeline in AWS CDK, code, tests, >90% LOC
- Developed simplified, efficient and scalable backend with UI for live-stream event operations
- Visualized 20+ metrics real-time, and setup alarm events across global regions in an alerting dash

Copart   Aug. 2019 – Jun 2020
Software Engineer Co-op   Dallas, Texas
- Decoupled RPG based DMV BILLING system requiring new design and architecture; Developed APIs in Spring Boot and used RabbitMQ to capture Kafka events and trigger WSO2 ESB sequences to handle the event-driven API calls for an external client to internal events
- Developed the new microservice architecture-based check printing API replacing the process from old dot-matrix systems to new MICR printers, saving Copart annually >$300K in check printing cost
- Developed the architecture for Positive Pay process to incorporate multi-bank support

PROJECTS

- Group project on analysis of Covid-19 data for symptoms, per country findings on Covid-19 dataset through Kaggle for (CORD-19) project w/ Sonia Ch.
- Robotics: (autonomous robots)
  - Developed path planning and motion control to navigate around obstacles and locate target
  - Implemented logic to locate fire and mechanism to extinguish fire using motorized fan
- Android Apps: (personal projects)
  - Copy Save: app to capture, persist copied clipboard text and review later, >2000 downloads
  - Text Scan+Translator: app to recognize text from Camera in real-time, 1-click copy & translate
  - Others: Math Quiz app, Wallpapers app using Pixabay for license-free images
- Email-SMS text Classifier: ML Naive Bayes classifier to classify text message as ham/spam

EDUCATION

M.S. in Computer Science, The University of Texas At Arlington   July 2020
B.S. in Computer Science, UPTU India   July 2016

EXTRA-CURRICULARS

- Active student member at associations: SWE, NSBE and SHPE for school UTA school chapter