

Yash Walankar

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EXPERIENCE

Software Engineer - Payments

Oct. 2023 – Present

MarginEdge

Arlington, Virginia

- Developed credit card processing microservice on AWS, integrated with GlobalPay via SOAP APIs to enable secure card vaulting, payment processing, voiding, and refunds, increasing payment revenue by 7%
- Engineered and optimized a robust payment system handling multiple payment transmission methods (check, VCC, ACH), successfully processing NACHA transactions with daily volumes exceeding \$1 million.
- Leveraged Amazon SES to design and develop a communications microservice, optimizing email, and SMS notifications to enhance customer engagement and ensure timely transaction confirmations.
- Spearheaded the frontend migration from Angular to React, while simultaneously developing new React components.
- Engineered a comprehensive monitoring system with automated alerting, real-time notifications, and performance dashboards, reducing incident response time and improving system reliability

Software Development Engineer I

July 2021 – Oct 2023

Amazon - Alexa Ad Enabled Content Systems

Arlington, Virginia

- Engineered and optimized ETL pipelines to ingest and process large ad revenue, analytics, and impressions datasets for Alexa News and Video, reducing processing time by 20% and improving ad targeting accuracy by 10%.
- Partnered cross-functionally with BI and BD teams to automate reporting on engagement and revenue data for 121 external providers, streamlining analytics and decision making.
- Designed and led the development of a GDPR and DSAR privacy compliance application, ensuring regulatory compliance for the team's datasets.
- Implemented and refined event driven SQL anomaly detection service using AWS Lambda, enhancing data integrity and proactive issue resolution.

Amazon Web Services - Console Configuration

- Managed an internal tool responsible for AWS Console home configurations, supporting over 200 AWS services globally.
- Coordinated cross-team efforts to configure the AWS Console for a successful launch of the new ap-southeast-3 region, ensuring a seamless deployment.
- Earned recognition for exceptional on-call performance, consistently meeting or exceeding resolution targets and enhancing system reliability.

Software Engineering Co-op

Jan. 2020 – Aug. 2020

Tenneco Inc.

Monroe, Michigan

- Optimized and automated the build process, reducing object code compilation time by 30%, improving development efficiency.
- Developed and implemented an automated HIL data test vector verification system for intelligent suspension models using Python and Pandas, enhancing validation accuracy and efficiency.
- Integrated and streamlined build and test processes with Jenkins pipelines and Git, improving CI/CD efficiency and reliability.

Engineering Co-op

Aug. 2018 – Dec. 2018

Regal Beloit Inc.

Bowling Green, Ohio

- Designed and developed an Android application for the Marathon Special Products Catalog, leveraging Google Firebase for real-time data and inventory management.
- Prototyped and programmed an IoT device using Embedded C on an STM32 board, integrating multiple sensors to collect and analyze vital data from Power and Terminal blocks.
- Implemented and maintained a relational database system for Engineering Change Requests in MS Access using VBA, improving data organization and workflow efficiency.

TECHNICAL SKILLS

JAVA
Python
C/C++

TypeScript
Docker
Postgres

AWS
React
Git

SQL
Spring Boot
APIs

EDUCATION

University of Toledo

Bachelor of Science in Computer Science and Engineering, Minor in Mathematics.

Toledo, Ohio

Aug. 2016 – May 2021