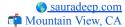
SAURADEEP PAUL





PROFESSIONAL SUMMARY

As a results-oriented software engineer with over 7 years of experience, I am passionate about delivering impactful products. My expertise spans mobile development, front-end, back-end, databases, and infrastructure. I take pride in owning the entire development lifecycle of services—from strategic planning to seamless deployment to production environments—as I continuously seek opportunities to innovate with scaling and growth in mind.

INDUSTRY EXPERIENCE

Software Development Engineer | Amazon, Sunnyvale

Aug 2022 – Present | 2 years and 3 months

Developing fullstack services built to automate device testing including scheduling, authentication and storage

Tech Stack: Java, Python, React, Typescript, MySQL, Elasticsearch, AWS

- Managed a team of developers to plan, design, develop and deploy a Spring based application and a new service to bring down
 operational workload and oversaw migration of customers; decreased time spent on operational tasks by 25%
- Overseeing and implementing projects to multiple services to optimize usage of resources while bringing down costs and scaling up;
 currently decreased YoY operational costs by 40%

Member of Technical Staff | Nutanix, San Jose

Sep 2021 – Aug 2022 | 1 year

Worked in the subscriptions and billings team for infrastructure and backend code maintenance, and performance optimizations **Tech Stack:** Python, PostgreSQL, Kibana, Jenkins, Kubernetes

- Drove the optimization of DB ETL jobs and API performance and implemented testing and logging protocols, leading a team of developers; optimized the combined API and ETL job time by over 40% and memory by 20%
- Collaborated with multiple teams to cover a new product launch including design, development, deployment and operations
- Undertook codebase & API documentation to streamline development & ops; expanded the usage of Agile & Scrum methodologies

Software Development Engineer | Amazon, Palo Alto

Jan 2020 – Sep 2021 | 1 year and 9 months

Worked at Amazon A9 in advertising technology on ad supply path optimization algorithms and then, on publisher payments **Tech Stack:** Java, Javascript, Ruby, React, MySQL, AWS, TensorFlow

- Developed and deployed an ML model to filter, optimize & deduplicate streaming ad requests; brought down duplicacy by 10%
- Built and created a Native AWS microservice (using Lambda, CloudWatch, S3, etc.) amd integrated it with a non-AWS service
- Designed and worked on streamlining, adding tests and automating FE and BE pipelines for continuous deployments; reduced operational effort needed for deployments and manual testing by over 30%
- Designed the complete data schemas and flow of ad requests within a month to handle privacy regulations in the EU

Software Engineer | JioSaavn (Formerly Saavn), Mumbai

Jul 2016 – Aug 2018 | 2 years and 2 months

Worked in Android development to develop new features and maintain existing code with a focus on improving app performance Tech Stack: Java, Android SDK, Apache Kafka, Kotlin, MongoDB

- Implemented UI & UX features on Android with the design and product teams using Agile; drove up usage/retention by 10%
- Enforced data security and thread safety; optimized power, memory, data usage; improved GPU performance, memory, UI stuttering
 issues; modularized the design pattern of the code; increased app rating on the store by 2 points
- Introduced network features like websockets for improved connectivity; incorporated both in-house & third party RESTful APIs
- Migrated the architectural pattern from MVC to MVVM; reduced maintenance and overall debug times of the team by 15%

SOFTWARE SKILLS

🗸 Java	✔ Python	JavaScript	TypeScript	✔ PHP	✓ C++	✓ HTML	Google Cloud
✓ SQL	✔ React Native	✓ AWS	OpenGL	✓ Git	✓ CSS	✓ Kubernetes	✓ Terraform
✓ Kafka	✓ Angular	✓ jQuery	✓ Node	✓ Spark	✓ React	✓ Ruby	✓ TensorFlow

EDUCATION HISTORY

- M.S., Computer Science, (Conc. in Data Science), State University of New York at Stony Brook, NY
- B.Tech., Electrical Engineering, Indian Institute of Technology (IIT) Ropar, India