

● 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.) and 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

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|---------|----------------|--------------|--------------|---------|---------|--------------|----------------|
| ✓ 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