

PROFESSIONAL WORK EXPERIENCE

Amazon (Full-Time)

Seattle, WA

Software Development Engineer II, Amazon - AWS

Jan 2020 - Current

- **Tech lead** for Auto Triage service - A **cloud based distributed diagnostic service** that automatically triages customer issues by processing gigabytes of data (logs,metrics etc) and posts first incident response on ticket. **Reduced Mean Time to Resolution (MTTR) by 55% and MeanTime to Touch (MTTT) by 80%** for tickets. This was a **multi quarter project** which resulted in onboarding **15 services** impacting **5 teams**.
- **Launched** AWS Marketplace console integrations for **SageMaker** and **Redshift**, streamlining software discovery workflows for data science and analytics teams. Empowered **2,000+ monthly active customers** to identify relevant tools and services, significantly enhancing ecosystem engagement and cross-service product discovery.
- **Developed an AI-driven test artifact creation tool** leveraging **RAG and LLM**, integrating with **Figma, TestRail, and internal APIs** to automate test plans, test cases, and strategy documents. Eliminated manual reviews and facilitated the production of **2,000+ technical documents** in 2025, maintaining **100+ daily active users** with **200% YOY growth**.
- **Managed a team of 3 engineers** to architect and implement automated dev productivity frameworks for **Alexa and Amazon Store** utilizing AWS technologies - **S3, DynamoDB, Bedrock, API Gateway, Lambda, Amazon Q, IAM, ECS/EC2, Quicksight, AWS Glue/ETL, and Kendra**. Automated **2,500+ tests**, reducing manual regression by **50+ hours per cycle** and increasing release cadence by **90%**.

Apple (Contract)

Sunnyvale, CA

Software Engineer, Apple Maps

Feb 2019 - Dec 2019

- **Engineered a comprehensive JSON data validation tool** and backend automation frameworks for Apple Maps platform, implementing **1,500+ validation checks** to verify data integrity; eliminated **25+ hours of weekly manual regression** and manual debugging, streamlining data ingestion pipeline.
- **Developed an multi-thread end-to-end visualization and testing web application** to track and compare data across microservices within the Apple Maps ecosystem; significantly **increasing engineering productivity** and data transparency.

Google (Contract)

Mountain View, CA

Software Engineer, Google Store

June 2018 - Jan 2019

- **Architected and deployed latency testing infrastructure** for Google Store ecommerce pages, delivering the project within a rapid 14-day timeline; automated validations for **50+ product pages**, eliminating **100+ hrs/wk of manual testing**.
- **Engineered end-to-end automation and CI/CD integrations** for Nest Cloud microservices and professional installation products (US/UK); implemented **TeamCity** regression suites that triggered on every code change, reducing manual overhead by **20+ hours per week** while ensuring 100% edge-case coverage.

Specialization And Skills

- **Programming skills:** Java, Python, JavaScript, HTML, Angular, CSS, TypeScript, Kotlin, Node.JS, MYSQL, NoSQL
- **Technologies and engineering skills:** Google Cloud Platform (GCP), Amazon Web Services (AWS) cloud technologies, Azure, Iangchain, Jupyter Notebook, Maven, Apache, Spring Boot, GUICE, Dagger, Linux, JIRA, GitHub, GPT, SERPER, HuggingFace, Elastic Search, Docker, Kubernetes, Jenkins, CI/CD, Devops, Selenium, Cypress, Appium, JUnit unit testing, Mocha, integration testing, WebDriver, REST APIs, AI/ML, LLMs, RAG, Kibana, PostgreSQL, MongoDB, Kafka, Splunk, Apache Spark, Tableau, Microservices, Distributed Systems, Data Solutions, Web Applications

Education

|                                              |             |                   |
|----------------------------------------------|-------------|-------------------|
| MS in Engineering                            | GPA:3.8/4   | Aug 2016-May 2018 |
| University of Florida, FL                    |             |                   |
| Bachelors                                    | GPA: 7.8/10 | Aug 2010-May 2014 |
| Indian Institute of Technology, Mandi. India |             |                   |