

Adheep Shetty

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PROFESSIONAL EXPERIENCE

Amazon, Seller Fees Organization

Software Development Engineer II

Dec 2022 – Current

- Full stack developer in Seller Fees organization, designing highly available applications that process around 128M daily requests.
- Created a pre-deployment testing environment replaying 30% of production traffic, ensuring rigorous validation of configuration changes prior to production rollout. Boosted team confidence in deploying accurate configurations.
- Key contributor to an organization-wide initiative to move services across region. Developed comprehensive documentation outlining key considerations, which reduced ambiguity in the migration process
- Evaluated strategies for safe updating of Amazon ElastiCache handling up to 5000 TPS which played a crucial role in resource lock storage, ensuring uninterrupted availability during the update
- Optimized team efficiency by reducing deployment frequency, saving 3 months annually by working on a project that brought in self-service for away team configurations.
- Mentored three junior engineers, ensuring smooth team integration.

Amazon, Seller Fees Organization

Software Development Engineer I

Jun 2020 – Dec 2022

- College graduate software engineer at Amazon's Seller Fees organization, demonstrating the ability to quickly onboard the fees system in 3 month timeframe.
- Quickly acquired proficiency in the Guice, Spring framework, the foundation of the team's service
- Created an API using Amazon REST Service Framework to streamline and resolve long-pending redundant subscription billing workflows for the team.
- Led comprehensive code reviews, emphasizing and maintaining high-quality standards.

Institute of Research and Analytics, CSULB

Oracle SQL Programmer

Feb 2019 – May 2020

- Translate Data into plain sentences and provide solutions to meet Data needs of the various departments at CSULB.
- Performing Data visualization for different datasets in from the CSU's Enrollment Data Warehouse.
- Statistical modeling and Data preprocessing GB's of Student Data using python NumPy & Pandas.
- Ensure datasets for dashboards are consistent by performing rigorous validations using historical data.

EDUCATION

California State University Long Beach (CSULB)

Master of Science, Computer Science

Aug 2018 - May 2020

CGPA:3.4

University of Mumbai

Bachelor of Engineering, Computer Engineering

July 2014 - May 2018

CGPA:3.8

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, TypeScript.
- **Framework:** Google Guice, Spring, Mockito, Junit.
- **Cloud Platforms:** AWS
- **Architectures:** REST.

PROJECTS

Power User Workflow

- Designed and implemented a self-service platform using which away team members can release fee configuration changes to production.
- Led a 5-month project collaborating with 2 junior developers, resulting in a significant 60% reduction in manual deployment efforts.
- Streamlined and optimized deployment processes for enhanced efficiency.
- **Technology Used:** Java Spring, TypeScript.

Camel Shadow

- Architected an environment enabling the replay of production traffic for testing new configurations, mitigating risks before production launch. Implemented informative dashboards to assess configuration readiness, enhancing deployment decision-making.
- **Technology Used:** Java Spring, TypeScript

Region Flexibility

- This project is Stores and Devices Organization wide initiative where in the vision is to make the applications move out of primary AWS regions that is IAD, PDX and DUB to reduce the blast radius of outages, handle physical limitations of infrastructure, changes in data compliance legislation.
- Led the development of a comprehensive region migration guide, offering teams a high-level overview of critical considerations for a seamless migration process.