Chinmaya Lad

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Experience

Amazon Web Services (AWS) Seattle, WA

Software Development Engineer - II *Apr 2022 – Present*

- Reduced **pricing artifact generation time by 64% (70→25 min)** by architecting distributed serverless workflow, implementing parallel processing and distributed caching to enable faster customer pricing updates
- Scaled pricing infrastructure to support 100+ pages/calculators across 7 AWS partitions, automating partition specific configurations and **reducing calculator deployment time by 70%**, enabling faster delivery to customers
- Achieved **100% accessibility compliance** for pricing pages through phased remediation, meeting AWS-wide requirement
- Implemented dual-stack IPv6 for procurement data service across 2 regions with zero downtime, future-proofing infrastructure to support evolving customer needs and accelerating future regional deployments
- Streamlined e-invoicing by eliminating manual customization for new customers and **reducing existing customizations by 50%** through generic templates for SAP ARIBA and COUPA, saving hours per customer onboarding
- Accelerated team growth by mentoring 2 engineers to promotion and guiding 2 interns to successful project completion through code reviews, design guidance, and technical leadership

Software Development Engineer - I *Apr 2020 – Mar 2022*

- Automated pricing region onboarding, **reducing launch time by 80% (5 weeks→1 week)** through custom tooling and configuration templates, accelerating time-to-market for new launches
- Enabled AWS pricing for China market by launching 15+ pages/calculators to new partition, building deployment groups and establishing compliance patterns that became foundation for future partition launches
- Reduced oncall ticket volume by 90% as key contributor to team bug bash, resolving tracked issues across multiple categories and significantly improving operational metrics

University at Buffalo Buffalo, NY

Graduate Research Assistant *June 2019 – Dec 2019*

- Developed semi-supervised segmentation technique using adversarial loss for medical imaging, **achieving 94.2% F1 score** on mouse kidney dataset and addressing limited labeled data challenges

Mirraw Online Services Mumbai, India

Software Developer *Nov 2016 – June 2018*

- Diagnosed and resolved critical memory leaks through systematic debugging, improving **application availability from 92% to 99.6%** significantly enhancing user retention
- Optimized Android **rendering performance by 36%** using GPU Profiler to fix overdraw and view hierarchy bottlenecks, improving play-store rankings
- Designed and implemented API-driven modular home page with configurable widgets, enabling marketing to manage product merchandising independently while improving code reusability by 40%

e-Yantra, IIT Mumbai Mumbai, India

Developer Intern *May 2015 – July 2015*

- Built web-based programming tutor using Google's Blockly library for teaching coding fundamentals through visual block-based interface
- Implemented server-side compiler to translate visual programs into executable code and run them on educational robots

Education

University at Buffalo Aug 2018 – Feb 2020

Master of Science (Computer Science and Engineering) *Buffalo, NY*

University of Mumbai Aug 2012 – July 2016

Bachelor of Engineering (Computer Engineering) *Mumbai, India*

Projects

Neural Style Transfer

- Implemented a Neural Style Transfer model for performing artistic style transfer from an impressionist painting to a normal image

Key Thresholding

- Implemented **Shamir's Secret Sharing Algorithm** for key thresholding using **Lagrange's Interpolation** and **Elgamal Encryption**

Technical Skills

Languages: Java, Python, TypeScript, JavaScript, C, Ruby

Technologies: NodeJS, S3, Lambda, Fargate, ElasticSearch, DynamoDB, Redis, PyTorch, React.js, Ruby on Rails, jQuery, Laravel, Android SDK, JUnit

Core Competencies: Distributed Systems, System Architecture & Scalability, Full-Stack Development, Performance Optimization, Data-Driven Decision Making, Technical Leadership, Cross-Functional Collaboration