Shaun Gonsalves

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Seeking a Full-Time role as an experienced Software Developer. A hardcore team-player and proven computer professional with a passion for solving complex problems by designing & developing effective software.

PROFESSIONAL EXPERIENCE

Amazon Inc.   Jun 2022 – Present
Seattle WA
Software Dev Engineer
- Contributed to the team from day 1 – starting off with KTLO, progressing to owning tier-1 solutions.
- Self-learner: Acclimatized myself with the service, tooling, and made design and code contributions within 30 days.
- Owned core feature for a tier-1 tax application, enabling fast onboarding and better customizability for new regulatory fees, impacting CA$14 million in revenue for Amazon.ca.
- Co-developed a proposal for making a tier-1 service resilient to outages that previously caused $200 million impact.
- Delivered an end-to-end feature to promote Amazon devices to 20 million users.
- Oncall – responsible for the world's largest tax calculation platform during high velocity events.

Mutual of Omaha   Jan 2021 – Dec 2021
Omaha NE
Cloud Engineer Intern
- Developed internal AWS CDK Constructs, enabling hardened & organization specific configurations for internal customers - making cloud infrastructure secure, consistent by default.
- Automated organization wide monitoring using AWS Config along with testing infrastructure.
- Formalized the new associate onboarding process, enabling colleagues to be productive in 90 days.
- Recognized as "Stellar Intern" for performing at FTE level.

Tata Consultancy Services   Jan 2017 – Aug 2019
Mumbai MH, India
Software Engineer
- Demonstrated a presales use-case for a customer using two IPaaS tools – Mulesoft Anypoint Platform & Informatica IICS and won the contract.
- Securely exposed core banking functionality for a digital banking super-app in 2 months using RESTful APIs, making banking easy & accessible to 20 million customers.
- Consistently achieved highest performance rating of 5/5.

ACADEMICS

Rochester Institute of Technology   Aug 2019 – May 2022
Rochester NY, United States
Master of Science (MS) in **Computer Science**
Big Data Analytics, Computer Networks, System Design

University of Mumbai   Jul 2012 – May 2016
Mumbai, India
Bachelor of Electrical Engineering (BE),
Operating Systems, Computer Networks, Image Processing

TECHNICAL SKILLS

Certificates: Advanced Big Data Analytics (issued by Rochester Institute of Technology, 2022)
Core Skills: Java, Python, Typescript
OS: Windows, Linux
DB: SQL, Postgres, MongoDB, NoSQL
Other: Git, Agile, AWS
Tools: Docker, Kubernetes, JIRA

ACADEMIC PROJECTS

AdHoc Network Simulation (Java, NodeJS, Docker)
- Designed and implemented an ad-hoc routing protocol based on RIPv2 from scratch.
- Simulated route discovery and exchange between rovers using Docker – running an independent instance for a rover.

Apriori Itemset Mining (Java, MySQL)
- Implemented an optimized Apriori algorithm from scratch using Java and JDBC connector.
- Improved Early Stopping, Pruning, Ordered Processing.

Big Data Analysis of taxi data in NYC and Chicago (Python)
- Analyzed the relation between fares, trip times, and distance and trained ML models to predict taxi fares.
- Clustered and analyzed the data with DBScan to find peak taxi demand in - days of the week, and time of the day.

Year-round Orienteering (Python, Pillow)
- Designed and implemented an AI algorithm to select an optimal path for orienteering using geospatial knowledge.
- Designed the solution for four seasons, i.e. Summer, Fall, Winter, & Spring.