

Shaun Gonsalves

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📄 shaungonsalves.github.io

📍 Toronto ON (Open to relocate)

A Canadian seeking a Full-Time role as an experienced Software Developer. A hardcore team-player and proven professional with expertise in distributed systems, cutting edge cloud.

PROFESSIONAL EXPERIENCE

Amazon Inc. Jun 2022 – Present
Software Dev Engineer

Tech: Java 17, Springboot, JUnit5, Typescript, AWS CDK

- Service owner for a tier-1 application, enabling 40% faster onboarding, cutting user interventions, impacting \$14 million in revenue for Amazon.
- Contributed to improving a deployment process using data pipelines, saving 4 SDE hours and 6 Analyst hours per deployment. Created CDK Constructs to set defaults for VPC, RDS, IAM to ensure connectivity with legacy systems.
- Executed a feature from design to implementation to support promoting Amazon devices to 20 million users.
- Implemented a proposal for making a tier-1 service resilient to outages that previously caused \$200 million impact.
- Self-learner: Acclimatized myself with the service, tooling, and made design and code contributions within 30 days.

Mutual of Omaha Jan 2021 – Dec 2021
Cloud Engineer

Tech: Python3, Pytest, Typescript, Jenkins, AWS CDK

- 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.
- Mentored an intern as a peer. Improved their understanding of the significance of their contributions by highlighting their achievements to the broader team.
- Partnered with product team as an SME for platform requirements, improving adoption of cloud resources and saving on dev time and infrastructure costs.
- Recognized as “Stellar” for performance and outcomes.

Tata Consultancy Services Jan 2017 – Aug 2019
Software Engineer

Tech: Java 8, Springboot, JUnit, IIB, Apigee, AWS, Azure

- Demonstrated a microservices based presales use-case for an enterprise using two IPaaS tools.
- Developed a cloud native web application to view data at-glance sourced from Hadoop for a logistics company.

- Developed a microservices system for securely exposing enterprise functionality for a digital banking app using RESTful APIs, impacting 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, JUnit, Python, Pytest, Typescript

DB: SQL, Postgres, MongoDB, DynamoDB

Other: Git, Agile, Microservices, Spring JPA, AI ML

AWS: EC2, S3, IAM, RDS, DynamoDB, EMR, VPC, Glue, Lambda, Redshift, API Gateway, SWF, StepFunction, CDK

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.

Year-round Orienteering (Python, Pillow)

- Designed and implemented a custom AI algorithm to select an optimal path for orienteering using geospatial knowledge.
- Designed the solution for four seasons, i.e. Summer, Fall, Winter, & Spring.