

SHREYAS GAONKAR

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<https://www.shreyasgaonkar.com> <https://github.com/shreyasgaonkar>

EXPERIENCE

Amazon Web Services

Seattle, WA

Systems Development Engineer II – Amazon CloudWatch Logs

September 2021 – Present

- Scale CloudWatch Logs in 40+ AWS regions to handle 10Tbps+ traffic with 99.95% uptime using Elastic Network Load Balancers.
- Led CloudWatch Logs IPv6 implementation across all commercial regions resulting in reduced network overhead and costs.
- Led migration of Amazon's internal logging archival service, handling 4Tbps+ traffic without any data loss for internal customers.
- Build and deploy CloudWatch Logs using Iaas CI/CD pipelines using Ruby & TypeScript, and automation using Python scripts.
- Write detailed design documents, and get peer-reviewed by Principal & Senior Engineers and Software Development Managers.
- Review and create robust change management tasks to ensure safe and efficient modifications by minimizing risks.
- I root cause performance, reliability, and availability issues, delivering robust solutions that improve system stability and uptime.
- Perform code reviews, write internal runbooks, and create change management guides for safer infrastructure changes.
- Develop tools using AWS CDK and TypeScript to help CloudWatch Logs teams create fully automated CI/CD pipelines, including alarms, with easy scalability for integrating new services.
- As Scrum Master, led bi-annual and quarterly roadmap planning and retrospectives, driving steady and continuous progress.

Cloud Support Engineer II

October 2020 – September 2021

- Accredited AWS Lambda Subject Matter Expert (SME)
- Worked with internal Lambda and SNS service teams to address escalations and any service-related anomalies.
- Delivered training on serverless services to external AWS candidates and mentored new hires.
- Worked with AWS SAs and TAMs on Infrastructure Event Management (IEM) to plan and execute critical business events.

Cloud Support Engineer I

August 2018 – October 2020

- Assisted architect first-of-its-kind COVID-19 contact tracing application for the Govt. of Ireland's Health Service Executive (HSE).
- Worked on escalated enterprise & business customer cases, and internal tickets with AWS service teams and support engineers.

Cloud Support Associate

June 2017 – August 2018

- Worked with serverless compute, messaging & queuing, APIs, database AWS services, along with storage and delivery services.
- Assisted in developing tailored AWS integration solutions optimized for cost efficiency and performance for AWS customers.

Marketing Relevance, LLC

Chicago, IL

Full Stack Web Developer

August 2016 – May 2017

- Designed, developed, and deployed secure websites using LAMP stack with Foundation framework.
- Accelerated sales of homebuilder clients using industry-leading mobile-first design increasing the overall conversion rate to 5%.
- Created high-fidelity website prototypes and wireframes as initial designs during client discovery calls.

SKILLS

Programming Languages: Python, Ruby, Bash, TypeScript, Java, HTML, CSS, JQuery & MySQL

AWS: CloudWatch, Lambda, API Gateway, Kinesis, SNS, SQS, S3, EC2, AutoScaling Group & CloudFormation

Other: Distributed Systems, Git, CI/CD, Amazon Linux, RHEL, Docker, LAMP stack and REST API

EDUCATION

University of Illinois at Chicago

Chicago, IL

Master of Science in Computer Engineering

May 2016

- Implemented cross-platform text messaging application developed in C++ and Android for Windows, Linux & Android.

University of Mumbai

Mumbai, India

Bachelor of Engineering in Electronics

May 2014

- Co-authored the technical paper "Design, Modeling, and Implementation of 8-bit Processor for Intelligent Automatic Chocolate Vending Machine" published in the International Journal of Computer Application (ISBN: 973-93-80880-67-5)

PROJECTS

- AWS Lambda code samples use-cases using Python: <https://tinyurl.com/shreyas-lambda> & <https://tinyurl.com/shreyas-awscli>
- Scalable Serverless URL shortener using AWS Lambda, API Gateway & DynamoDB: <https://tinyurl.com/shreyas-url-shortner>
- Instagram bot to like posts based on hashtags using Python: <https://tinyurl.com/shreyas-instagram>
- Personal media streaming server - Plex media file cleaner using Python: <https://tinyurl.com/shreyas-plex>