
Summary

- 7 years experienced professional with expertise in developing secure serverless architecture.
- Piloted 3 connected smart-home (IOT) products reaching 100,000+ customers bringing in \$2M+ revenue.
- Elevated security posture for IOT platform performing threat and risk analysis and creating security concept.
- 3x AWS Certified: Solutions architect (C03) and Developer Associate level (DV01).

TECHNICAL SKILLS

Programming Languages: Java, Node.js 16x/18x/20x, Python, SQL, MongoDB

AWS Services: Lambda, API Gateway, EC2, IOT Core, DynamoDB, Athena, RDS

Security: Config, IAM, Cognito, Inspector, Guard Duty, Security Hub, CloudFormation, Docker

Frameworks: AWS Serverless, Spring Boot, Spring Batch, Spring Cloud, STRIDE, Test Driven Development, Jest

Technologies: AWS Cloud, RESTful APIs, WebSocket APIs, IBM MQ, Express Link

PROFESSIONAL EXPERIENCE

Geode Capital Management | Boston, MA Senior Information Security Engineer July 2025-Present

- Led the vulnerability management efforts reducing the application security risk
- Developed Software Bill of Materials utilizing Syft and Gype
- Tracked AWS cloud security posture with Security Hub and internal tooling
- Conducted comprehensive Threat and Risk Analysis with global team improving security for 3 solutions
- Led detailed and regular code-review sessions with a team of 10 developers with a focus on security best practices

Bosch USA | Watertown, MA Senior Software Developer – Cloud Security July 2021-Present

- Architected serverless cloud infrastructure for 3 connected MQTT based home comfort products reaching 100,000 homeowners
- Constructed 5+ AWS SAM templates for commercial serverless solutions to maintain Infrastructure as Code
- Gathered security requirements and implemented access management portal reducing access provisioning times by 70%
- Formulated Robust Incident response plan reducing response time by 30% and improving incident tracking
- Spearheaded 10+ features powered by AWS services like API Gateway, Lambda, DynamoDB, SNS, Step functions, S3
- Established DevSecOps pipeline using AWS SAM, Github Actions, SAST/DAST and Vulnerability scanners increasing security scores by 25%.
- Crafted 40+ REST API endpoints secured with models, custom authorizers, security headers and request validations

SUNY Research Foundation | Binghamton, NY Android Developer June 2020-July 2021

- Designed and developed 2 Android applications for visualization of 7 physiological metrics
- Leveraged Bluetooth LE to connect to wireless health sensor transmitting at 10 Hz reducing power consumption by 50%

Accenture Solutions | Pune, India Software Engineer August 2016-July 2019

- Established REST application returning status of data from 4 databases reducing search times by 75%
- Trained 2 associates on Java frameworks, TDD and Agile methodologies resulting in higher team performance
- Revamped 1 web service with 150 business rule validations shortening processing time by over 50%
- Adopted Test driven Development and created detailed test suite with SOAP UI minimizing testing times by 80%

EDUCATION

Binghamton University, SUNY, USA Master's in Computer Science August 2019-May 2021

Savitribai Phule Pune University, India Bachelor's in Information Technology August 2012-June 2016

PROJECTS

Security Hub Continuous Integration | AWS Security Hub, Github Actions, API Gateway, Lambda, SNS April 2024

Created a github action that integrates with security hub to generate and forward daily results to admins for formal security approval.

AES Encryption Decryption Web Application | Python, React, AWS Amplify, Lambda Jan 2024

Built a web application for easy encryption/decryption of input data based on AES algorithm deployed on AWS cloud

Android App for SMS Cloud Backup | Java, ADB, Google Cloud API, SMS Broadcast Receiver March 2021

Developed a background service that saves all incoming SMS to user's Google Drive automatically. Google Oath 2.0 and Drive API connect to user's Google Drive