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# PRASANN DESHPANDE

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## 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

<b>Geode Capital Management   Boston, MA</b>	<b>Senior Information Security Engineer</b>	<b>July 2025-Present</b>
○ Led the vulnerability management efforts reducing the application security risk		
○ Developed Software Bill of Materials utilizing Syft and Grype		
○ 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		
<b>Bosch USA   Watertown, MA</b>	<b>Senior Software Developer – Cloud Security</b>	<b>July 2021-Present</b>
○ 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		
<b>SUNY Research Foundation   Binghamton, NY</b>	<b>Android Developer</b>	<b>June 2020-July 2021</b>
○ 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%		
<b>Accenture Solutions   Pune, India</b>	<b>Software Engineer</b>	<b>August 2016-July 2019</b>
○ 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

<b>Binghamton University, SUNY, USA</b>	<b>Master's in Computer Science</b>	<b>August 2019-May 2021</b>
<b>Savitribai Phule Pune University, India</b>	<b>Bachelor's in Information Technology</b>	<b>August 2012-June 2016</b>

## PROJECTS

<b>Security Hub Continuous Integration   AWS Security Hub, Github Actions, API Gateway, Lambda, SNS</b>	<b>April 2024</b>
Created a github action that integrates with security hub to generate and forward daily results to admins for formal security approval.	
<b>AES Encryption Decryption Web Application   Python, React, AWS Amplify, Lambda</b>	<b>Jan 2024</b>
Built a web application for easy encryption/decryption of input data based on AES algorithm deployed on AWS cloud	
<b>Android App for SMS Cloud Backup   Java, ADB, Google Cloud API, SMS Broadcast Receiver</b>	<b>March 2021</b>
Developed a background service that saves all incoming SMS to user's Google Drive automatically. Google Oauth 2.0 and Drive API connect to user's Google Drive	