# Joshua Godinho

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## Education

**M.S. Computer Science & Engineering at Santa Clara University** | Santa Clara, CA        Sep 2023 – Jun 2025

- Graduate Research Assistant
- Relevant Coursework: Advanced Operating Systems, Design Patterns, Solutions and Cloud Architecture

**B.E. Computer Science at University of Mumbai** | Mumbai, India        Jul 2018 – Jun 2022

- Relevant Coursework: Cloud Computing, Advanced Algorithms, Computer Networks

## Professional Experience

**Software Engineer at Instahub** | Santa Clara, CA        Dec 2024 – Present

- Collaborating directly with the CEO to implement SOC 2 compliance across Instahub's AWS cloud infrastructure; recognized for driving key security initiatives that are strengthening investor confidence.
- Designed and shipped serverless micro-services with **AWS CDK**, **Lambda, DynamoDB, S3, RDS** and CloudWatch automating IoT data-ingestion and shipping releases to Instahub's Data Analytics Dashboard.
- Implemented **API caching** mechanisms reducing redundant backend invocations by 65%, saving $40,000 annually in compute costs.

**Software Engineer Intern at Instahub** | Santa Clara, CA        Jul 2024 – Sep 2024

- Wrote production-ready **AWS Lambda functions** that coordinate the lifecycle of shared data objects across 15 microservices, enabling real-time data exchange and preserving system-wide integrity.
- Built **AWS Cognito-based authentication**, enhancing security for over 50K+ active users. Implemented session extension mechanisms using **React.js**, reducing login failures and support tickets, saving an estimated $24,000 annually in operational overhead.
- Developed a seamless CI/CD pipeline in AWS Amplify by leveraging **CloudFormation stack**, **CloudWatch logs**, AWS SNS and custom scripts to automate builds enhancing system reliability by 40%.

**Associate Software Engineer at Accenture** | Mumbai, India        Nov 2022 – Jul 2023

- Implemented and unit-tested **RESTful Web APIs** in **C#/ASP .NET Core**, adding business-logic endpoints and SQL data calls that power Allstate's claims platform.
- Connected those APIs to responsive UIs in **Angular** and **Blazor**, fixing cross-browser bugs and streamlining the claims form.
- Used **Azure DevOps** to build, test, and deploy ASP .NET Core APIs to Azure App Service, automating CI/CD for quick, reliable releases.
- These optimizations boosted claim filing and tracking efficiency by 17%, reduced average processing time from 5 days to 4 days, and resulted in a 4% increase in business productivity over 9 months.

**Full Stack Developer Intern at Wowrooms Hospitality** | Mumbai, India        Oct 2020 – Jan 2021

- Engineered and deployed **REST APIs** using **Laravel PHP**, leveraging advanced routing and middleware capabilities to improve backend efficiency by 35%, reducing server response times and saving an estimated $3,000.
- Developed a dynamic, responsive UI with Bootstrap and **JavaScript**, seamlessly integrated with Laravel server-side logic, resulting in a 30% improvement in system efficiency and reducing maintenance overhead by 20% through reusable component design.

## Projects

**AI-Powered Microservice Architecture** | *.NET Aspire · Redis · PostgreSQL · RabbitMQ · GenAI · RAG*        GitHub

- Shipped a scalable ecommerce microservice suite with real-time pricing updates via **Redis-backed caching** and **RabbitMQ-driven messaging**, enhancing shopping experience across distributed services.
- Implementing intelligent features for product discovery and context-aware Q&A, like RAG-based chatbots and semantic search using Ollama's Llama/Phi models and Microsoft Semantic Kernel.

**Stock Market Cloud-Based Real-Time News** | *Spring Boot · React.js · Node.js · Express · AWS*        GitHub

- Launched a personalized real-time news platform where users receive instant alerts based on their topic subscriptions, improving engagement and retention.

## Technical Skills

**Programming Languages:** Java, Python, C# JavaScript, Kotlin, SQL, C
**Tools and Technologies:** React.js, Node.js, Springboot, .NET Core, ASP.NET, Django, Restful API, MongoDB, Git, PostgreSQL, Postman, Linux, AWS (Lambda, CloudFormation, SQS, RDS, DynamoDB)
**Certifications:** AWS Certified Solutions Architect Associate (Link)