

JOSHUA GODINHO

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EDUCATION

Master of Science, Computer Science and Engineering

Sep 2023- Jun 2025

Santa Clara University, Santa Clara, CA

Graduate Research Assistant

Relevant Coursework: Advanced Operated Systems, Design Patterns, Solutions and Cloud Architecture

Bachelor of Engineering, Computer Science

Jul 2018 - Jun 2022

University of Mumbai, Mumbai, India

Relevant Coursework: Cloud Computing, Advanced Algorithms, Computer Networks

WORK 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%. This optimization saved \$40,000 annually in compute costs.

Software Engineer Intern at *Instahub* | Santa Clara, CA

July 2024 - Sep 2024

- Wrote production-level code in **AWS Lambda** to configure and optimize 15 microservices, enabling automated object management, real-time data exchange, and ensuring platform-wide data integrity.
- Designed **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.
- Leveraged **CloudFormation stack**, Cloudwatch logs, AWS SNS and custom scripts to automate builds ensuring a seamless **CI/CD pipeline** in AWS Amplify, enhancing system reliability by 40%.

Associate Software Engineer at *Accenture* | Mumbai, India

Nov 2022 - July 2023

- Analyzed and innovated solutions as a **.NET Developer** for Allstate Insurance, to accomplish high-quality scalable and extendable .NET solutions in **C#, ASP.NET Core, Web API's** and Blazor.
- Optimized two ASP.NET Core applications for Allstate Insurance—Claims and Support—boosting claim filing and tracking efficiency by 17%, reducing average claim processing time from 5 days to 4 days.
- Developed and integrated Web APIs to facilitate seamless communication between web applications and databases, ensuring timely data delivery and efficient data flow, resulting 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* | *Ollama* [[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 | Springboot | 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 with 370ms median latency at scale.
- Integrated distributed coordination algorithms like Leader Election, Heartbeat, Mutual Exclusion, and Multicast to enhance system responsiveness and consistency during high-volume updates.

TECHNICAL SKILLS

Programming Languages: Java, Javascript, Kotlin, SQL, Python, C# , SQL

Tools and Technologies: React.JS, Node.js, Springboot, .NET Core, ASP.NET, Django, Restful API, MongoDB, PostgreSQL, Git, Postman, Linux, AWS(Lambda, Cloudformation, SQS, RDS, DynamoDB)

Certifications: AWS Certified Solutions Architect Associate ([Link](#))