JOSHUA GODINHO

Santa Clara, CA | +1 (408) 396-3816 | jgodinhojoshua@gmail.com | [LinkedIN](#) | GITHUB | PORTFOLIO

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*
- Engineered serverless workflows using **AWS services**, including API Gateway, DynamoDB, S3, Kinesis Data Firehose, and CloudWatch. Leveraged **AWS CDK** to define and deploy infrastructure as code, automating data pipelines and improving synchronization across microservices.
- Implemented **API caching** mechanisms for high-frequency endpoints using AWS API Gateway and Lambda authorizers, 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*
- Designed AWS Cognito-based authentication, enhancing security for over 50,000 active users. Used **AWS Lambda, API Gateway, Python, and React.js** to implement session extension mechanisms, 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%.
- Strategically deployed and configured 15 Microservices using AWS Lambda, API Gateway, Amazon RDS, Node.js and Python, seamlessly integrating their aliases with API Gateway for enhanced version control. Through optimization, achieved a 30% reduction in system latency, significantly boosting application responsiveness and performance.

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](#))