

JOSHUA GODINHO

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EDUCATION

Master of Science, Computer Science and Engineering

Sep 2023- Jun 2025

Santa Clara University, Santa Clara, CA

Bachelor of Engineering, Computer Science

Jul 2018 - Jun 2022

University of Mumbai, Mumbai, India

WORK EXPERIENCE

Software Engineer Intern at Instahub | Santa Clara, CA

Dec 2024 - Present

- Engineered **scalable serverless integration workflows** using AWS services, including API Gateway, DynamoDB, S3, Kinesis Data Firehose, and CloudWatch, by leveraging AWS CDK to efficiently define and deploy infrastructure as code, automating complex data pipelines and ensuring seamless synchronization across cross-platform enterprise tools.
- Strategically deployed and configured 10 microservices enabling automated object management, real-time data exchange, and maintaining platform-wide data integrity.

Software Engineer Intern at Instahub | Santa Clara, CA

July 2024 - Sep 2024

- Architected **AWS Cognito**-based authentication, enhancing security and user management for over **50,000 active users**, leveraged **React.js**, **Python** and **AWS Lambda** to develop innovative session extension mechanisms by generating new tokens, effectively resolving session timeout issues and enhancing user experience.
- Spearheaded the resolution of critical **AWS Amplify deployment** issues for the InstaHub monitoring Dashboard, leading to a 30% improvement in build efficiency. Leveraged **CloudFormation stack**, Cloudwatch logs, AWS SNS and custom scripts to automate builds ensuring a seamless deployment pipeline, enhancing system reliability by 40%.
- Strategically deployed and configured **15 AWS Lambda functions** using **Node.js** and **Python**, seamlessly integrating their aliases with API Gateway for enhanced version control. Through meticulous optimization, achieved a 30% reduction in system latency, significantly boosting application responsiveness and performance.

Graduate Research Assistant at Santa Clara University | Santa Clara, CA

Feb 2024 - Jun 2024

- Integrated Accelerometer sensor using ShakeDetector technology, reducing the acknowledgment time of incoming requests by 50% compared to traditional VOIP solutions, enhancing real-time responsiveness in disaster scenarios.
- Enhanced the user authentication system integrated with Firebase schema, enabling seamless user registration and login, resulting in a 35% increase in user sign-up rate and a 80% reduction in authentication errors.

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, enhancing application configuration and testing, resulting in a 4% increase in business productivity over 9 months.

Software Engineer Intern at Wowrooms Hospitality | Mumbai, India

Oct 2020 - Jan 2021

- Engineered and deployed APIs using **Laravel PHP** for its advanced routing mechanisms and middleware capabilities, resulting in a 35% increase in API response efficiency.
- Developed a dynamic user interface using **Bootstrap** and **JavaScript**, with Laravel PHP handling server-side logic to support predefined UI components, ensuring seamless frontend-backend integration and a 30% improvement in system efficiency.

TECHNICAL SKILLS

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

Frontend Frameworks: React.JS, Angular, Material-UI, HTML/CSS, Bootstrap

Backend Frameworks: Node.js, Express, Springboot, .NET Core, ASP.NET, Django, Restful API, Flask

Databases and Tools: SQL, MongoDB, PostgreSQL, Firebase, Git, Github, Postman, Linux, Figma, VS Code, Microsoft Office

Cloud Platforms: AWS (Lambda, API gateway, EC2, Cloudformation, ASG, SNS, SQS, S3, RDS, DynamoDB)

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

PROJECTS

Stock Market Cloud based Real time News | Springboot | React.js | Node.js | Express | AWS [[Github](#)]

- Pioneered a **cloud-based publish/subscribe system** on AWS to efficiently manage distributed algorithms like **Broadcast, Multicast, Leader Election, Heartbeat Protocols and Mutual Exclusion** solving high-latency issues in real-time data streaming.
- Architected a **broker-based microservices system**, increasing throughput by 270% and reducing median latency to 371ms, enabling high-traffic applications to scale effortlessly without performance bottlenecks.

Smart Home Automation System | Java | Design Patterns | Object Oriented Principles [[Github](#)]

- Engineered a sophisticated IoT application for 1000 devices leveraging subscription-tiered user authentication, session management to solve critical large-scale device management issues, maintaining persistence and state of the system.