JOSHUA GODINHO

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EDUCATION

Master of Science, Computer Science and Engineering   *Sep 2023- Expected 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*
- Developing a serverless data pipeline using AWS Services like Lambda, API Gateway, Kinesis Data Firehose and CloudWatch to gather datalogger data and store it in RDS, by deploying infrastructure as a code automated via CloudFormation.

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 Dashboard project, leading to a 30% improvement in build efficiency. Leveraged **AWS Cognito**, **CloudFormation** stack, **Cloudwatch logs**, **AWS SNS** and custom scripts to optimize authentication workflows, ensuring a seamless deployment pipeline and 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.
- Implemented a real time intuitive messaging engine, streamlined device monitoring for an optimized user experience boosting user satisfaction scores by 25%.