

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

Relevant Courses: Design Patterns, Algorithms, Object Oriented Design and Analysis, Machine Learning

Bachelor of Engineering, Computer Science

Jul 2018 - Jun 2022

University of Mumbai, Mumbai, India

Relevant Courses: Cloud Computing, Data Structures, Operating Systems, DevOps, Advanced Algorithms

WORK EXPERIENCE

Software Engineer Intern at *Instahub* | San Francisco, CA

July 2024 - Present

- 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.
- Resolved a CORS issue on the overview page by configuring the correct triggers and permissions for AWS Lambda functions and API Gateway, ensuring seamless cross-origin requests and improving accessibility across the application.

Graduate Research Assistant under Prof. Navid Shaghaghi at *Frugal Innovations hub* | Santa Clara, CA

Feb 2024 - June 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.
- Implemented a 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** and **Blazor** with adoption of SCRUM methodology.
- Optimized and deployed two **ASP.NET** applications for Allstate Insurance—Claims and Support—boosting claim filing and tracking efficiency by 17%.
- Implemented advanced **ASP.NET caching mechanisms**, improving web application performance and scalability by 40%.
- 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** initially using **Django REST** framework before transitioning to **Laravel PHP** for its advanced routing mechanisms and middleware capabilities, resulting in a 35% increase in API response efficiency.

TECHNICAL SKILLS

Programming Languages: Java, Javascript, Kotlin, SQL, Python, C++, HTML5, CSS, C#

Technologies and Frameworks: AWS, Spring Boot, .NET Core, ASP.NET, REST API, Node.js, React.js, Django, Hadoop, Kafka, Flask, Linux, Jenkins, Docker, Git, Jira, Bash, Microsoft Office

Databases : MongoDB, MySQL, PostgreSQL, Firebase, AWS(S3), AWS(RDS), AWS DynamoDB

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

PROJECTS

Smart Home Automation System [[Github](#)]

- Engineered a Smart Home Automation System leveraging 18 out of 26 implemented **design patterns**, showcasing cutting-edge design principles in action.

Stock Market Cloud based Real time News [[Github](#)]

- Developed a scalable **cloud-based publish/subscribe model** for real-time stock news on **AWS**, boosting throughput by 270% with zero message loss and 371ms median latency.