

# 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 10,000 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 and **Cloudwatch**, and custom scripts to optimize authentication workflows, ensuring a seamless deployment pipeline and enhancing system reliability by 40%.
- Optimized **API Gateway** and **Lambda** functions utilizing **Node.js**, reducing system latency by 30% and improving overall application performance.

### Graduate Research Assistant under Prof. Navid Shaghghi 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 - Aug 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 - Feb 2021

- Led a cross-functional team and developed a dynamic and robust application for Hourly Rooms, as the team lead, with adoption of Agile methodologies, improving project delivery efficiency by 25%.
- 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

## PROJECTS

### *Multicast Cloud based Real time News* [[Github](#)]

- Pioneered a cloud-based publish/subscribe model proficient in managing key distributed algorithms such as Broadcast, Multicast, Leader Election, Heartbeat Protocols and Mutual Exclusion.
- Designed and deployed backend components as microservices on AWS EC2 instances, for efficiently scaling virtual servers, enhancing system scalability and availability.
- Architected a broker system on AWS, increasing throughput by 270%, reducing dropped messages to zero, maintaining median latency at 371 milliseconds, and achieving a 0% error rate under high-traffic conditions..