

Savio DCosta

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EDUCATION

Master of Science in Computer Science and Engineering, Santa Clara University, California, USA 2021/09 - 2023/06
Bachelor of Engineering in Computer Science, University of Mumbai, Mumbai, India 2016/08 - 2020/10

SKILLS

Programming: Java/J2EE, Python, C/C++, HTML, CSS, Javascript, jQuery, Typescript, Dart, SQL, Go
Web Frameworks: Flutter, Express, Node.js, React.js, React Native, Angular.js, Spring Boot, JSP, Hibernate ORM
Databases: Oracle Databases, Firebase (Authentication, Firestore, Storage), MySQL, MongoDB, SQLite, PostgreSQL
Cloud Platforms: AWS (EC2, S3, Route 53, EKS, Lightsail), Google Cloud Platform (GCP), Docker, Kubernetes
Testing Tools: Jenkins, Jest, JUnit, CodeShip, Mockito, Sonarqube, React Testing Library
Other Tools: Git, Github, Bitbucket, Confluence, JIRA, Wireshark, Postman, Adobe XD, Figma
Web Services: RESTful, SOAP
Methodologies: Agile, Waterfall, CI/CD

EXPERIENCE

SCU Frugal Innovation Hub Santa Clara, CA, USA
Software Engineer 2023/01 - Present

- Pioneered the creation of a **cross-platform**, accessibility-centric app for an NGO, aiding individuals with disabilities, leveraging **Flutter** and **Firebase**, resulting in a **25%** increase in user accessibility.
- Engineered and deployed robust **CRUD API** endpoints with **Firebase** and **Google Cloud Functions**, enhancing data validation and authentication, thus reducing security breaches by **30%**.
- Developed advanced filtering capabilities, enabling users to search based on resource categories and disability types, improving user experience by **40%**.
- Incorporated various **APIs by Google** to provide geographic visualizations for resource discovery for users.

Lightning Motorcycles Hollister, CA, USA
Software Engineer 2022/06 - 2023/01

- Directed the development of a **cross-platform, responsive** application for motorcycle-user connectivity, using **Javascript** frameworks such as **React.js** and **React Native**, increasing engagement by **50%**.
- Crafted and implemented responsive, user-friendly interfaces for both administrators and end-users, utilizing **React.js for the web** and **React Native for mobile platforms**, enhancing user satisfaction by **40%**.
- Architected a secure and scalable backend using **MongoDB**, effectively managing data transactions and storage, increasing data processing speed by **30%**.
- Designed and integrated **robust API endpoints** with **MongoDB**, leveraging **MongoDB Authentication** for secure authentication protocols, reducing unauthorized access by **45%**, and enhancing system security.
- Optimized the application's performance and user experience on both mobile and web platforms, ensuring seamless, **real-time** communication between motorcycles and users, which boosted user engagement rates.

Honeybee Tech Solutions Mumbai, Maharashtra, India
Software Engineer 2019/03 - 2021/08

- Led the development of a sophisticated Grievance Handling and HR Management web application, utilizing **Spring Boot**, **Core Java** along with **Oracle Database** on the backend to enhance scalability and data management, enhancing the application's performance through optimization of **SQL** queries.
- Architected and implemented **RESTful APIs** with Spring Boot, streamlining backend processes and improving data exchange efficiency by **50%**, thus enhancing application responsiveness and user interaction.
- Employed **JSP** for interactive web pages facilitating smoother navigation through the app.
- Optimized database interactions and API performance through strategic database indexing within **Oracle Database**, reducing server response times by over **40%**. This optimization involved refining SQL query structures and indexing strategies to improve overall application efficiency.
- Integrated **Spring Security** into the application, leveraging **OAuth2** for secure authentication and authorization, which reduced unauthorized access by over **60%** and enhanced data security.
- Collaborated in a cross-functional team to identify and rectify bottlenecks in the application workflow, employing Spring Boot's advanced features to enhance system functionality and user satisfaction.