

SOURAV GIRISH WALKE

Bay Area, CA 94542

☎ 510-331-3108 ✉ souravgwalk@gmail.com [in linkedin.com/in/souravwalke](https://www.linkedin.com/in/souravwalke) github.com/souravwalke

Education

California State University, East Bay

Master of Science in Computer Science

August 2022 – May 2024

Hayward, CA

Technical Skills

Programming Languages: Java (Proficient), JavaScript, TypeScript, HTML, XML

Tools & Libraries: Git, Maven, JUnit, Postman, Jenkins

Frameworks: ReactJS, KnockoutJS, Spring (Batch & Boot), Hibernate

Cloud & Database: AWS, Azure, SQL, MongoDB, PostgreSQL

Experience

CrimsonLogic Pte Ltd

July 2021 – July 2022

Senior Software Engineer

Singapore Central Business District, Singapore

- Co-ordinated in engineering a standard product, **Coherence**, by amalgamating top features and best practices from digital governance projects using the MERN stack; boosted project acquisition and revenue potential by 40%.
- Engineered a scalable and robust appointment scheduler component with reusable **REST** API endpoints, boosting efficiency by 30% and reducing maintenance time by 20%.
- Directed the implementation of a sophisticated reporting system using FreeMarker Template Language (FTL); integrated anti-falsification holograms to fortify document security, ensuring data integrity and bolstering client confidence by 40%.
- Facilitated in establishing **Azure**-based test-driven development (TDD) pipelines, including the creation of automated testing frameworks and processes, boosting production deployment reliability and efficiency by 50%.

CrimsonLogic Pvt Ltd (India Division)

July 2019 – July 2021

Software Engineer

Bengaluru, India

- Designed and implemented multiple comprehensive application workflows for **St. Lucia DigiGov**, contributing to an 80% increase in citizen engagement and advancing the government's digital transformation. 🔗
- Engineered high-performance front-end solutions by implementing **XML** and **JavaScript** libraries such as Knockout JS and jQuery, resulting in a 40% decrease in page load time and a 25% increase in usability metrics.
- Orchestrated the automation of complex data migration from legacy to modern infrastructures, handling critical citizen data with **Spring Batch** Jobs. Achieved substantial reduction in manual effort and ensured data integrity.
- Spearheaded the incorporation of **Git** for version control within a cross-functional team of 15 developers, enhancing code management and collaboration, resulting in a 20% increase in project delivery speed.

Projects

Study Buddy Finder | *MongoDB, Express.js, React, Node.js*

March 2024

- Led the development of a full-stack web application using the MERN stack to connect students seeking study partners based on academic interests and schedules.
- Integrated a sophisticated matching algorithm, swiping mechanism, and real-time chat functionality, resulting in a 30% increase in successful study partnerships and a 40% boost in user engagement metrics.
- Implemented **JWT** (JSON Web Token) authentication to enhance data security and user privacy, employing a robust token-based authentication mechanism ensuring secure communication between client and server.

Local Experience Recommender | *Java Spring Boot, Hibernate, MySQL, REST API*

November 2023

- Headed the development of a Java Spring Boot back-end system to dynamically generate authentic local experiences for a city, resulting in a significant 20% increase in user engagement.
- Integrated Google Maps API, fetching real-time data on attractions, events, and activities, and conducted **JUnit** tests, achieving 95% coverage and reducing bug reports by 30%.

RemedyGuide | *Python (NLTK, spaCy, scikit-learn), Flask, Git*

July 2019

- Collaborated in building a rule-based chatbot application using a Natural Language Processing (NLP) Engine to accurately detect and classify common human illnesses and recommend home remedies.
- Achieved an accuracy of 80% in detecting illnesses and providing appropriate remedies using NLP techniques such as tokenization, part-of-speech tagging, and dependency parsing.

Certifications / Achievements

- AWS Certified Cloud Practitioner 🔗
- Earned Crimsonlogic's Extra Mile Award for outstanding project execution and team collaboration, highlighting commitment to quality and exceptional results.