

Jay Bipin Ganatra

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Summary

Highly motivated Software Engineer with a strong background in full stack development. Successfully optimized backend systems, developed user-friendly interfaces, and improved data accessibility. Committed to innovative problem-solving and continuous learning.

Education

Syracuse University

Syracuse, NY, US

- M.S. in Computer Science – GPA: 3.8/4.0

Aug. 2022 – May 2024

Mumbai University

Mumbai, India

- B. Tech in Information Technology – GPA: 8.9/10

Aug. 2018 – May 2022

Professional Skills

- Languages:** TypeScript, JavaScript, Java, C#, Python, Kotlin, Swift, Dart, HTML, CSS, SQL
- Framework/Tools:** React, Node.js, REST Apis, GraphQL, Spring, ASP.NET, Flask, Flutter, AWS, Docker, Git, Jenkins, MySQL/PostgreSQL, MongoDB, SQLite, Firebase, Kubernetes, Terraform, Jest, Cypress
- Domain Knowledge:** Data Structure and Algorithm, Web Systems, Computer Security and Networking, Operating System, Cloud computing in AWS, Machine Learning, UI/UX, CI/CD Pipelines

Work Experiences

SQOR Technologies Inc.

New York, NY, US

Software Development Engineer Intern

July 2023 – Aug. 2023

- Collaborated on developing SQOR's user portal integrating 150+ SaaS tools, engineered authentication workflows with **AWS Cognito**, reducing administrative overhead by **20%**.
- Developed and deployed APIs in **AWS API gateway** and **Lambda**, along with a user-friendly **React, Typescript** interface utilizing **REST** Apis for the user dashboard, enhancing usability and efficiency.
- Resolved redundant service calls and enhanced middleware, optimizing backend response times and achieving a **30%** reduction through streamlined API calls.

MindScript – Mumbai University (KJSIEIT)

Mumbai, India

Software Developer – Mentor: Prof. Radhika Kotecha

Feb. 2021 – Aug. 2022

- Implemented a robust software development life cycle approach in launching a centralized platform for 7 schools, resulting in a **70%** improvement in data accessibility for 2000+ students.
- Led a team of 3 students to develop a responsive, user-interface with **React, TypeScript**. Performed automated testing with **Jest**, improving student information management efficiency.
- Developed configurable form data models, enabling fields and layout definitions through pre-defined templates, facilitating rapid onboarding (< 30 mins) and seamless data sharing between institutions.

EYUVA Technologies

Mumbai, India

Software Engineer Intern

Dec. 2019 – Jan. 2020

- Codeveloped an in-house app with a team of 5 using PHP and MySQL to centralize computer stock management, reducing inventory time by **20%**.
- Designed responsive interfaces with Bootstrap and jQuery, boosting user satisfaction by **30%** and minimizing training needs for new employees.

Project Experiences

Campus Shuttle Pilot Project (Java, Spring, MySQL, Git)

- Designed and implemented a REST Api with real-time ETA responses to streamline shuttle operations using Spring and MySQL, reducing wait times by **30%**.
- Collaborated in a team of 3, to optimize drop-off sequencing, building modules for passenger management and location tracking, and conducted unit testing for robust functionality.

Event Management System (PHP, MySQL, HTML, CSS, JavaScript, jQuery, Linux, Git)

- Led a team of 5 students to develop EMS, an automated system that effectively reduced the time required by **85%** to organize an event by developing an end-to-end solution for event management, right from planning to its completion, and a post-event user interface for resource exchange.
- Collaborated with over 100 faculties and 4 department heads to gather requirements. Provided tailored technical solutions including automated notifications, to enhance user experience and efficiency.

Splitwise-Clone (C#, .NET Minimal Apis, React, TailwindCSS, MSSQL, Git, Future:React Native)

- Currently developing a Splitwise clone to learn .NET, focusing on best practices and robust architecture.