

Jay Bipin Ganatra

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EDUCATION

Master's of Science in Computer Science | CGPA: 3.8/4.0,
Syracuse University

Aug 2022 – May 2024

Bachelor's of Technology in Information Technology | CGPA: 8.9/10.0,
University of Mumbai

Aug 2018 – May 2022

SKILLS

Programming Languages: JavaScript, TypeScript, Python, Java, SQL, C#, C/C++, Swift, Kotlin, Dart, Haskell

Frameworks: React.js, Next.js, TailwindCSS, Django, Spring, Flask, Swift UI, Android Jetpack, Flutter

Databases: Redis, PostgreSQL, MySQL, Microsoft SQL Server, SQLite, MongoDB, RDS, DynamoDB, Firebase, S3

DevOps: Git, Jenkins, GitHub Actions, GitLab, Docker, Kubernetes, Terraform, Amazon Web Services (AWS), Azure

Tools: Jest, Cypress, Redux, Google Analytics, Posthog, Datadog, Sentry, NextAuth, Clerk, Jira, Linear, Blender

ML/Python: Beautiful Soup, ETL, Numpy, Pandas, Seaborn, Scikit-Learn, Plotly, Azure ML Studio, Matplotlib, Tensorflow

PROFESSIONAL EXPERIENCE

Full Stack Developer, Blockhouse Labs Inc. 📍

Sep 2024 – Present | New York, NY

- **Led a team of 6**, coordinating product development across Designers, ML/OPs teams, and product managers, conducted PR review sessions, and **managed scrum meetings**.
- Implemented Google Ads, and Reddit Ads integrations, increasing tracking accuracy and ad performance, contributing to a **20% boost in conversion rates**.
- Deployed PostHog and Sentry for analytics and error tracking, facilitating **A/B testing** and enabling data-driven decisions that increased user engagement.
- Led **SEO optimization** efforts, increasing organic traffic and enhancing search engine rankings and site visibility.

Full-Stack Engineer Intern, Flow Global Software Technologies, LLC

Aug 2024 – Oct 2024 | Remote

- Led the **development of ER diagram** for Flow Nebula, Flow's B2B sales database, enhancing the system's architecture and improving database relationships, contributing to more efficient data management.
- Created an organic LinkedIn scraper using **Beautiful Soup, Regex, and Python**, mimicking user behavior to automatically extract essential business data for 10000+ profiles, significantly improving lead generation capabilities.
- Spearheaded the SEO optimization efforts, resulting in improved search engine rankings, increased user engagement, and enhanced organic traffic, **boosting online presence by 74%**. | **Recommendation Letter** 📄

Full-Stack Engineer Intern, SQOR Technologies Inc.

Jul 2023 – Aug 2023 | New York, NY

- Developed **React.js** dashboards with **Material UI**, hosted via AWS S3 and **CloudFront CDN**.
- Built a robust backend system with **Express, Node.js**, and **MongoDB**, integrated **AWS S3** for scalable file storage, and implemented **AWS Cognito & OAuth2** for authentication, enhancing data security and scalability.
- Implemented a **CI/CD pipeline** using **GitHub Actions, Docker**, and **AWS**, reducing deployment time and errors.

Student Software Developer, KJSIT

Mar 2020 – Jun 2022 | Mumbai, IN

- Launched a centralized platform for 7 educational institutes under the Somaiya Trust by integrating **ReactJS and Redux** for frontend and **Node.js** for backend functionality, resulting in an improved data accessibility for 2000+ students.
- Designed new features and resolved bugs using **agile development**, performed automated testing using **Jest and Cypress** and held code reviewing sessions. | **Appreciation Letter** 📄

PROJECTS

Campus Shuttle | Backend Software Engineer Code

Aug 2023 – Dec 2023

- Developed and launched a **Java microservice** to streamline public bus services using **Spring, JPA** using **Hibernate**, and **MySQL**, reducing wait times by 30%. Learning system protocols and data flows.
- Established robust APIs and comprehensive documentation using **Swagger (OpenAPI)**; deploying using **Tomcat - GCP**.
- Spearheaded the implementation of RESTful API architecture, utilizing design patterns to enhance system performance; this project yielded a measurable increase in application reliability, **improving uptime metrics to 99.9%**.