Jay Bipin Ganatra

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EDUCATION

M.S. in Computer Science | CGPA: 3.8/4.0, *Syracuse University*   Aug 2022 – May 2024

B. Tech. 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, PHP

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

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

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

Tools: Jest, Cypress, Redux, Figma, StoryBook, Posthog, Datadog, Sentry, Clerk, Jira, Linear, Blender, WordPress

PROFESSIONAL EXPERIENCE

Full Stack Developer, *Blockhouse Labs Inc.* 🔗   Sep 2024 – Present | New York, NY
- **Led a team of 6** to coordinate product development across Designers, ML/OPs teams, and Product Managers, aligning workflows through PR reviews and scrum meetings, resulting in faster project delivery.
- Built scalable applications with Next.js, TailwindCSS, Django, and MongoDB, serving as a wrapper for proprietary Financial AI models. Leveraged **AWS, GitHub Actions and Docker** for a streamlined **CI/CD pipeline**.
- Deployed PostHog and Sentry for **analytics** and **error tracking**, facilitating **A/B testing** and enabling data-driven decisions that increased user engagement.
- **Spearheaded migration to a monorepo**, streamlining code management, decreasing dependency duplication, and utilizing shared components for consistency across projects.
- Leading the development of a **new cross-platform mobile app**, using **React-Native**, driving the product roadmap to launch under my guidance.

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, for the **Django** backend.
- 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** 🔗

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%**.

GPS Equity | iOS Developer Code   Jan 2024 – May 2024
- Collaborated in a team of 3 to develop an iOS Stock Tracker app, integrating **Yahoo Finance API** and **YouTube APIs**.
- Implemented **Firebase Authentication** for secure user login, ensuring a safe user experience across devices.
- Built an **AMA page** powered by **Gemini Ultra**, leveraging AI to provide personalized and educational content to users.