Jay Bipin Ganatra

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SKILLS

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

Frameworks
React.js, Next.js, Express, Django, Spring, Flask, .NET Core, 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, GraphQL

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

PROFESSIONAL EXPERIENCE

Full-Stack Engineer, *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 used by **25000+ retail users** and **3 institutional clients**, with Next.js, TypeScript, TailwindCSS, Python, Django & Fast API, MongoDB, and Restful Apis, and 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.
- Oversaw the development of a new cross-platform mobile app**,** using **React Native**, **launching 2 weeks early** while improving team coordination and project delivery.

Full Stack Engineer Intern, *Flow Global Software Technologies, LLC*   Aug 2024 – Oct 2024
- Led the **development of an ER diagram** for Flow Nebula, ensuring normalization and a scalable database structure.
- Created an organic LinkedIn scraper using **Beautiful Soup**, **Regex**, **Python**, and **PostgreSQL**, mimicking user behavior to automatically extract essential business data for **10000+ profiles**, significantly improving lead generation capabilities.
- Documented everything with **Confluence** and managed tasks using **Jira**, streamlining project tracking and team collaboration.
- Developed a **custom Python web crawler** to dynamically update the sitemap on Google Search Console, improving indexing.
- Led SEO efforts that improved search rankings, increased user engagement, and **grew organic traffic by 74%**

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.

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, Object Oriented Design, 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**.
- Built an AMA page powered by **Gemini Ultra**, leveraging AI/LLM to provide personalized and educational content to users.
- Implemented **Firebase** for secure user login, and created a micro-blog section for user-engagement.

Digital Students Card Portal | Full Stack Engineer Code   Mar 2020 – Jun 2022
- Launched a centralized platform for 7 educational institutes under the Somaiya Trust by integrating ReactJS and Redux and Node.js using REST Apis, resulting in an improved data accessibility for 2000+ students.
- Designed features and fixed bugs using agile methods, performed automated testing with Jest and Cypress, and conducted code reviews, enhancing software quality and team collaboration | **Appreciation Letter** 🔗

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