Jay Bipin Ganatra

📍 New York, NY, USA   🔗 Portfolio   in LinkedIn   ⭕ GitHub

SKILLS

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

Frameworks / Libraries
React.js, Next.js, React Native, Express, Django, Spring, Fast API, Flask, .NET Core, Swift UI, Android Jetpack, Flutter

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

Web Engineer 1   Mar 2025 | New York, NY
Spotify USA Inc.
- Lead the rewamp of the sidebar on the Spotify for Creators **microfrontend-ecosystem** in the Podcast Mission, upgrading the **user experience** of the entire website for podcasters, improving accessibility and keyboard navigation, adding appropriate skeleton loaders, and drastically reducing visual jankiness. Used **A/B test rollouts** to launch it gradually to **more than 270,000** users.
- Added sanitization validations to a **GraphQL** enpoint in a core **Java** backend service.
- Worked with **Prometheus** and Spotify internal monitoring tools, adding **Grafana dashboards**, tracking analytics per enpoints like - Incoming requests per second by endpoints, Incoming 4xx/5xx error rates per endpoint, p99/p75/p50 Latency by endpoints/k8 pods.

Full-Stack Engineer   Sep 2024 – Mar 2024 | New York, NY
Blockhouse Labs Inc.
- **Led a team of 6,** acted as Point of Contact across designers, and product managers, aligning workflows through PR reviews and scrum meetings, resulting in faster project delivery.
- Built scalable applications used by **2500+ retail users** and **3 institutional clients**, with **Next.js, TypeScript**, TailwindCSS, **Python, Go,** MongoDB, and Restful Apis, and Financial AI models.
- Deployed PostHog & Sentry for analytics, facilitating **A/B testing** and enabling data-driven decisions increasing user engagement.
- Oversaw the development of a new cross-platform mobile app**,** using **React Native**, completing 2 weeks early while improving team coordination and project delivery.

Software Engineer Intern   Aug 2024 – Oct 2024
Flow Global Software Technologies, LLC
- 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.
- 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%**

Frontend Engineer Intern   Jul 2023 – Aug 2023 | New York, NY
SQOR Technologies Inc.
- 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 | Software Engineer   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.
- 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%**.

Digital Students Card Portal | Frontend Engineer   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 **5000+ 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

EDUCATION

Master of Science in Computer Science | CGPA: 3.8/4.0   Aug 2022 – May 2024
Syracuse University

Bachelor of Technology in Information Technology | CGPA: 8.9/10.0   Aug 2018 – May 2022
University of Mumbai