

# Jay Bipin Ganatra

✉ ganatrajay2000@gmail.com    ☎ 6806975622    📍 New York, NY, USA    📁 Portfolio    🔗 LinkedIn    🐙 GitHub

## SKILLS

### Programming Languages

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

### Frameworks / Libraries

React.js, Next.js, React Native, Express, Django, Spring, 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

### Full-Stack Engineer, Blockhouse Labs Inc. 📍

Sep 2024 – Present | New York, NY

- **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, 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.

### Software 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%**

### Frontend 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 | 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.
- 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

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 | 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 | **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