

Jay Ganatra

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SUMMARY

Highly motivated Software Engineer with a strong background in end-to-end full stack and mobile development. Successfully optimized back-end systems, developed user-friendly interfaces, reviewed code, and improved data accessibility. Committed to innovative problem-solving and continuous learning.

TECHNICAL SKILLS

- Proficient:** Node.js, Java, Spring, JavaScript, React Native, React JS, Jest, Docker, Kotlin, Python, Django, MySQL, MongoDB, SQLite, SQL, Firebase, Android Studio, Git, GitHub, GitHub Actions, Jenkins, ES6, WordPress, Figma, SaaS, Jira, TypeScript, ECS, Webpack, Swift, Scrum, Angular, Android SDK, Lambda, CSS, Express, Flutter, HTML, Next.js, npm, ReactJS, Redis, RDS, Hadoop, REST, GraphQL, NoSQL, SwiftUI, Tailwind CSS, Unity, Vercel, Vue.js, YAML, yarn, DevOps, Terraform, Azure, Testing
- Exposure:** Agile Development, Containerization, Kubernetes, Apache, Apache Kafka, Cloud Computing, AWS, Axios, .NET, C#, C++, C, Dart, Crypto, Django Rest Framework, Flask, Figma, Gitlab, SDLC, Computer Networking, PostgreSQL, UI/UX, Heroku, Nginx, Swagger, TensorFlow, Data Structures, Web Security, Google Cloud, Caching, Web Design, Web Development, Unit Tests, Objective-C, Oracle, SwiftyJSON, Visual Studio Code, Xcode, Pandas, Nodemailer, Selenium, Beautiful Soup, Apollo, IoT, SEO

WORK EXPERIENCE

Flow Global Software Technologies, LLC | Backend Engineer Intern | Remote August 2024 – Present

- Leading ER diagram design and low-level architecture for Flow Nebula, a proprietary B2B sales database, including REST API development with Django and creating data pipelines involving whitespace accounts, scraping, Kafka, S3, and Redshift.

Syracuse University | Fullstack Engineer Intern | Remote May 2024 – Present

- Developing a finance manager app, with social features, implementing .NET MVC, MSSQL database with EF-Core, Amazon Web Services as cloud platform, and a multi-platform mobile app using React Native, focusing on best practices & robust architecture.

Syracuse University | Teaching Assistant | Syracuse, NY August 2023 – December 2023

- Supported and facilitated learning alongside the professor for a class of 80 students. Conducted review sessions and office hours, providing support and clarifying complex concepts in cryptography.
- Graded assignments and exams, ensuring timely and constructive feedback for students.

SQOR Technologies Inc. | Software Engineer Intern | New York, NY July 2023 – August 2023

- Redesigned SQOR's business intelligence SAAS platform, collaborating in a cross-functional team, optimizing API utilization and response times, resulting in significant enhancements in system performance.
- Developed a robust backend system with MongoDB and Nodejs, seamlessly integrating AWS S3 for scalable file storage solutions, and AWS Cognito & OAuth2 for handling authentication.
- Implemented a CI/CD pipeline using GitHub Actions, Docker and AWS, for secure server hosting.
- Refactored redundant service calls and implemented middleware, optimizing back-end response times achieving a 50% reduction through simplified API calls.
- Revolutionized user interface and experience by employing advanced React hooks and techniques with Material UI in front end to achieve a 30% improvement in user engagement through enhanced responsiveness, load times and cross-browser compatibility.

MindScript | Fullstack Developer | Remote February 2021 – August 2022

- Launched a centralized platform for 7 educational institutes by integrating ReactJS and Redux for frontend and Node for backend functionality, resulting in an improved data accessibility for 2000+ students.
- Designed new features and resolved bugs in an agile development cycle, leading a team of 3, ensuring high-quality code standards were maintained by performing automated testing using Jest and Cypress and performing code reviews.
- Assessed and optimized website's operational performance using Google Analytics and Webpack, identifying improvement areas.
- Architected configurable data models, allowing institutions to create and share custom form layouts, significantly enhancing onboarding efficiency and collaboration across multiple organizations, ensuring compliance with data protection standards.
- Designed and implemented an intuitive and visually appealing user interface using Figma, ensuring alignment with MindScript's branding objectives and significantly enhancing customer satisfaction and interface usability.

EDUCATION

Master of Science – Computer and Information Science, Syracuse University August 2022 – May 2024

Bachelor of Technology – Information Technology, Mumbai University August 2018 – May 2022

PROJECTS

GPSEquity | iOS Engineer Code January 2024 – May 2024

- Collaborated in a team of 3 to develop an iOS Stock Price Tracker app, focusing on integrating Yahoo Finance and YouTube APIs.
- Implemented Firebase Authentication for secure user login and an AMA page powered by the Gemini Ultra API.

Campus Shuttle | Backend Software Engineer Code August 2023 – December 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, creating comprehensive documentation using Swagger, and deployed using Tomcat, and GCP Cloud Run.
- 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%.

Event Management System | Full Stack Software Engineer Code February 2020 – February 2021

- Redesigned KJSIEIT's event management platform, integrating PHP, and MySQL for backend and HTML, CSS, Bootstrap, jQuery for front-end, transitioning from a manual system, effectively reducing the time required to organize an event by 85%.
- Developed an end-to-end solution, by collaborating with over 100 faculties and 4 department heads to gather requirements.