JAY BIPIN GANATRA

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Highly motivated engineer with a strong background in full stack development. Proven track record of optimizing backend systems and developing user-friendly interfaces. Experienced in modern software development practices, including microservices, CI/CD, and DevOps. Committed to innovative problem-solving and continuous learning.

EDUCATION

Syracuse University – Master of Science in Computer Science - GPA: 3.8/4   August 2022 – May 2024
Mumbai University – Bachelor of Technology in Information Technology - GPA: 8.9/10   August 2018 – May 2022

SKILLS

- **Proficient:** JavaScript/TypeScript, Java, C#, HTML, CSS, REST APIs, React.js, Next.js Spring, Tailwind, Laravel, Flask, SQL, MySQL, PostgreSQL, SQLite, NoSQL-MongoDB, DynamoDB, AWS, Firebase, Git, Docker, Kubernetes, Terraform, Media Query, AWS CDK, GitHub Actions, Jenkins, CI/CD Pipelines, Figma, IntelliJ, UI/UX, Three.js (3js), GSAP, Framer, AJAX, .NET.
- **Exposure:** GCP, Oracle Cloud, Oracle DB, Android, Heroku, iOS, Python, PHP, Flutter, GraphQL, Ansible, Husky, Monday, Jira, Confluence, Webpack, Linux, Photoshop, Adobe Premier Pro, Oracle Content Management, Auto CAD, WebGL, JPA.
- **Certifications:** IBM: Docker Intro, Kubernetes, Microsoft: Career Essentials: Software Development, GitHub Essentials.

WORK EXPERIENCE

Software Development Intern (Full Stack Engineer)   July 2023 – August 2023
SQOR Technologies Inc.   *New York, NY*

- Engineered authentication workflows with AWS Cognito and developed core APIs, integrated SSO login and email verification resulting in a 20% decrease in administrative overhead due to simplified processes.
- Enhanced performance by 15%, reducing load times through the implementation of 35+ custom Material UI components.
- Debugged and resolved redundant service calls, implemented middleware enhancements, and applied software architecture principles to optimize backend response times, achieving a significant 30% reduction through streamlined API calls and authentication processes.
- Stack: React.js, Node.js, MongoDB, Git, Docker, GitHub Actions, Amazon ECS, AWS Cognito, Jira, and Confluence.

Software Developer (Frontend)   February 2021 – August 2022
MindScript/KJSIEIT   *Mumbai, India*

- Launched a centralized platform for 7 schools under Somaiya Trust, resulting in a 70% improvement in data accessibility for more than 2000 students.
- Led a team of 3 students to develop a responsive, user-friendly portal with real-time access and seamless integration, overcoming challenges in data migration and user interface design, resulting in a 30% improvement in student information management efficiency.
- Developed configurable data models for forms, enabling schools to define custom fields (calculated fields with custom validation rules) and layouts through pre-defined templates. This facilitated rapid onboarding (< 30 mins) and sharing between institutions.
- Stack: React.js, Bootstrap, Node.js, Express, MongoDB, Git.

Software Engineer Intern (Full Stack)   December 2019 - January 2020
EYUVA Technologies   *Remote*

- Developed and led a team of 5 in creating an in-house app to centralize stock management for computers, cutting inventory management time by 20%.
- Designed responsive user interfaces, overcoming challenges in creating an intuitive navigation system for a complex inventory management system, resulting in a 30% increase in user satisfaction and decreased training for new employees.
- Stack: PHP, MySQL, HTML, CSS, Bootstrap, and jQuery.

PROJECT EXPERIENCE

- **Campus Shuttle Pilot Project** - Spring, MySQL, Git
  Designed and implemented a pilot Campus Evening Shuttle application with real-time ETA responses, reducing wait times by 30%. Collaborated in a team of 3 to streamline shuttle operations and optimize drop-off sequencing by building HTTP endpoints for passenger management and location tracking.
- **Event Management System (EMS)** - PHP, MySQL, HTML, CSS, JavaScript, jQuery, Linux, Git
  Led a team of 5 students to develop EMS, an automated system that effectively reduced the time required by 85% to organize an event by developing an end-to-end solution for event management. Troubleshot and debugged legacy code and collaborated with over 100 faculties and 4 department heads to gather requirements for EMS. Provided tailored technical solutions including automated notifications and conducted design reviews, to enhance user experience.