Samarth Patel

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Objective

With over two years of software engineering experience, I specialize in designing, developing, and optimizing web applications within large enterprise environments. Skilled in working with both brownfield and greenfield projects, including migrating legacy monolithic applications to microservice-based architecture. Proficient in building applications using JavaScript and Python. Possess excellent communication skills to understand customer pain points and analyze complex problems, with a focus on delivering effective solutions.

Education

Seneca College of Applied Arts and Technology   **Toronto, Ontario**

Computer Programming   Jan 2022 - Apr 2023

Relevant Coursework: Web Programming Tools and Frameworks, Object Oriented Programming, Advance Database Services, Data Structures and Algorithms, UNIX/Linux, Data Structures and Algorithms, Software Analysis and Design, IT Project Management, Applied Problem Solving, Mobile App Development- Android, Software Development using C++, Data Communication

Skills

Languages: C/C++, Java, Python, JavaScript, TypeScript, SQL, HTML, CSS

Databases: PostgreSQL, MySQL, Microsoft SQL Server, MongoDB

Frameworks & Libraries: React.js, Redux.js, Recoil.js, Django, Flask, Node.js, Express.js, Next.js, Bootstrap, TailwindCSS

Technologies & Tools: AWS, GCP, Azure, Kuber netes, Docker, Jenkins, Jira, Bitbucket, Postman, Git, GitHub, GraphQL, Web Sockets

Work Experience

Infinera   **Ottawa, Ontario**

Full Stack Developer   Aug 2023 - Mar 2024

- Spearheaded the development and management of a robust micro-service architecture using Python, Django, and TypeScript, enhancing scalability and performance.
- Proactively collaborated with cross-functional teams, including project managers, developers, QA, and customers, to swiftly resolve technical challenges, ensuring seamless project progress.
- Implemented optimization strategies for APIs, preemptively identifying and rectifying memory leaks, resulting in a smoother transition to production and improved application performance.
- Demonstrated expertise in code refactoring, addressing over 200 cognitive complexity issues identified through Jira unit testing, enhancing code readability and maintainability.
- Implemented AWS-managed agile planning methodologies, resulting in a 25% reduction in development cycle time.
- Played a key role in project planning by participating in estimation processes, contributing to accurate timelines and resource allocation.
- Leveraged foundational knowledge of Jenkins and Kubernetes to independently deploy code and monitor logs, streamlining development processes and reducing reliance on DevOps teams.

Infinera   **Ottawa, Ontario**

Full Stack Developer (Co-op)   Apr 2023 - Aug 2023

- Spearheaded the development of responsive and user-friendly interfaces using TypeScript, improving user engagement and satisfaction.
- Assisted in implementing server-side logic using Django and Python, resulting in a 25% increase in application performance.
- Applied database design principles to enhance data storage efficiency, reducing query response time by 20%.
- Acquired proficiency in Microsoft Azure, contributing to the seamless integration of cloud services in web applications.
- Collaborated with senior developers, actively participating in Test-Driven Development (TDD) practices, ensuring code reliability and quality.

Solution Analyst   **Ahmedabad, Gujarat**

Junior Web Developer Intern   Sep 2020 - Apr 2021

- Gained hands-on experience with Node, Express, React/Redux, MongoDB, API's, Git and tech principles culture via team projects, code reviews, and pair programming.
- Design and implementation of the 99.99% up-time REST API for the business-critical online service, that provided critical connectivity channel for distributed functionality and increase system cohesion keeping manageable code complexity.
- Scoping project requirements using Agile & Scrum principles related to the mission-critical single page application that helped prioritize developing activities and reduce ad hoc work requests by 39%.
- Improving product aesthetic and UX of the high-volume online service, resulting in 32% increase in user retention.
- Programmed an admin panel for food ordering system featuring order management, adding payment info, easing to manage and full fill orders.
- Build APIs for authentication, managing orders, profiles, in a secure and efficient way. Efforts improved response time by 30%.

Project Work

Blogify- A Feature Rich Social Media App (React.js, Context API, Bootstrap, MongoDB, Node.js, Express.js, JWT, AWS S3 Bucket)

- Developed a social media app enabling users to post blogs with images and descriptions, with the option to set posts as private or public.
- Implemented JWT for secure authentication, including login, signup, and authorization for creating and editing posts.
- Utilized the MVC architecture for the backend, creating Restful APIs to manage user data with MongoDB and AWS S3 Bucket for image storage.
- Developed middleware for secure authentication, authorization, and data validation using ZOD, along with multer for image handling.
- Implemented smooth navigation using React Router and a connection feature for users to connect with each other.

Myntra- An Online Shopping Platform Clone (React.js, Redux.js, Bootstrap, Node.js, Express.js)

- An ultimate e-commerce website having a homepage look like Myntra displaying variety of products with detailed explanation consisting of price, description, image, and price.
- Developed an efficient state management mechanism using redux.js to handle the items selected by users in cart and display the real time calculated data with and without discounts.
- Utilized the component-based architecture to maintain the code efficiency and reusability of components.
- used dynamic API calls to fetch the data from the backend.

Awards and Certificates

- **Responsive Web Design**
- **SQL (Advanced)**
- **Problem Solving (Intermediate)**
- **Rest API (Intermediate)**