Niraj Shah

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PROFESSIONAL SUMMARY

- Highly adaptable and detail-oriented **Full-Stack Developer** with over 3 years of progressive experience building robust, scalable, and responsive applications in fast-paced, **Agile environments**.
- Proficient across **Java, React.js, JavaScript, Python, C, and C++**, demonstrating strong command of full-stack development using modern frameworks and diverse relational and non-relational database technologies.
- Proven ability to optimize system performance, resolve complex technical challenges, and deliver high-quality, maintainable software, leveraging cutting-edge AI-technologies and adhering to **software engineering best practices**.

TECHNICAL PROFICIENCIES

Programming & Web Dev	Java (Spring Boot), JavaScript (React.js, Node.js, Express.js), Python, C, C++, HTML, CSS, RESTful APIs, GraphQL, WebSockets, iOS (React Native)
Databases	PostgreSQL, DynamoDB, MongoDB, Firebase, DB2, SQL
Cloud & Enterprise	IBM Cloud, AWS, Worklight, IoT, Service-Oriented Architecture (SOA), Enterprise Application Development, Cloud Application Development
Dev Tools	Git, GitHub, Eclipse, Postman, JUnit, IBM Relational Application Developer, Jira, Figma, Notion, BASH
Methodologies & Practices	Agile (Scrum), Test-Driven Development (TDD), DevOps Best Practices, Code Reviews, Software Architecture, Information Management, Problem Solving, Collaborative Development, Design Thinking
Project Management	Project Planning, Resource Management, Communications, Risk Management, Leadership, Project Integration
UX/UI Design	User Experience (UX), User Research, Information Architecture, Prototyping, Accessibility (WCAG), Usability, Universal Design, Visual Hierarchy

EXPERIENCE

Best Buy Canada   Toronto, CA (Remote)
Full-Stack Software Engineer (Technical Analyst)   September 2023 – Present

- **Engineered** and **optimized** modular, high-availability backend services using **Java Spring Boot** and **PostgreSQL**, **reducing system integration bottlenecks by 30%** while applying **software engineering best practices**.
- **Developed** and **optimized** reusable **RESTful and GraphQL APIs** for high-volume e-commerce traffic, ensuring low-latency interactions and **cross-browser compatibility** for cross-platform frontend teams.
- **Collaborated** effectively within **Agile (Scrum) squads** with product designers and **React.js** frontend engineers to deliver features consistently aligned with enterprise compliance and **WCAG accessibility standards**.
- **Implemented asynchronous logic** and in-memory caching strategies to significantly optimize API throughput and **reduce response times by 25%**, adhering to **DevOps best practices**.
- **Facilitated sprint planning** and retrospectives, fostering continuous improvement; **documented** service architecture and best practices using tools like **Notion** and collaborative wikis.

Careerin   Vancouver, CA (Remote)
Project Management Intern   April 2021 – August 2021

- **Supported** project initiatives through effective resource planning and communication within an **Agile** framework, contributing to successful project delivery.

BrainItOn   Ahmedabad, IN
Software Engineer Intern   December 2019 – May 2020

- **Developed** and **secured** full-stack applications using **Java** and **Express.js**, successfully **integrating OAuth 2.0 authentication** and robust role-based access controls.
- **Designed** and **built** scalable **microservices architectures** with a **PostgreSQL** backend, **achieving 99.9% uptime** under rigorous scalability testing conditions.
- **Authored** and **documented backend API suites** in **Postman**; **implemented robust test coverage** with **JUnit** for enhanced code reliability and maintainability.

- **Partnered** with frontend teams to deliver **mobile-responsive user flows** with an emphasis on **accessibility-first design principles** and **user experience (UX) principles**.

PROJECTS

QuickQuiz   Role: Backend Developer
- **Developed** a scalable online quiz platform featuring real-time collaboration capabilities using **Node.js, Express, and WebSockets**.
- **Integrated PostgreSQL** for robust relational data handling and **optimized response latency by 35%** through efficient query structuring and caching mechanisms.

Collegiate Platform   Role: Full-Stack Developer
- **Led** a team in developing a comprehensive platform to facilitate easy college searches for students, parents, and teachers.
- **Designed** backend architecture and **integrated** databases and web services to handle large volumes of data efficiently, ensuring smooth search functionalities across multiple criteria.

Agro-Optimization Smart Farming   Associated with Ganpat University
Hybrid Application Development   December 2019 – April 2020
- **Designed** a hybrid application to enhance crop production and farm management for agricultural stakeholders, integrating features for increased work efficiency and accurate weather predictions.
- **Implemented** API integrations with third-party weather services using **RESTful APIs**, enabling real-time weather updates to optimize farm operations and increase work efficiency.

UX Design Research Projects   Associated with St. Lawrence College
- **Conducted** comprehensive **UX research** for web applications (e.g., Canada Cannabis, Learn@SLC), including persona creation, user testing, and wireframing, to inform design and improve usability.
- **Developed** visual hierarchy and UI, creating final prototypes and recommending design improvements based on rigorous testing and analysis, adhering to consumer-centric and **accessibility-first design principles**.

EDUCATION

- **Bachelor of Computer Science and Engineering, specialization in Mobile Application (in collaboration with IBM)** | Ganpat University, Ahmedabad
- **Postgraduate Certificate in Project Management (with Honor Roll)** | Durham College
- **Postgraduate Certificate in User Experience Design** | St. Lawrence College of Applied Arts & Technology