

Zarana Solanki

Full Stack Software Developer

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SUMMARY

Aspiring Full Stack Software Developer with a foundational understanding of software development and a strong commitment to learning. Experienced in collaborating within Agile teams to develop and support software solutions that align with business and technology objectives. Familiar with industry practices, including secure coding, incident management, and automated testing. Eager to contribute to a dynamic team while growing my skills and knowledge in a supportive environment.

EDUCATION

University of Ottawa
Masters of Systems Science and Engineering
2024 Coursework: Systems Optimization, Mobile Commerce Technologies, Project Management, Software Usability, Cyber Security, User Experience Principles and Practices, Systems Integration

Birla Vishvakarma Mahavidyalaya
Bachelors of Technology - Computer Engineering
2022 Coursework: Software Engineering, Data Structures and Algorithms, Discrete Mathematics and Probability, Object Oriented Programming(OOP), Theory of Computation,Operating Systems, Computer Networks, Computer Organization, DBMS

Ottawa, Ontario, Canada
September 2022- June

Anand,Gujarat,India
July 2018- June

SKILLS SUMMARY

- **Languages:** Java, C, C++, Python, C#, JavaScript, TypeScript
- **Libraries:** Java Spring Boot, .NET, ASP .NET Core MVC, React.js, React Native
- **Web Technologies:** HTML5, CSS3, SVG, JSON
- **Databases:** MS-SQL, MySQL, PostgreSQL, MongoDB, SQLite
- **Cloud Technologies:** Familiar with AWS, Firebase (real-time database functionality)
- **Tools:** Git, Visual Studio, NPM/Yarn
- **Other:** Experience with Agile (Scrum) environments, Creating and maintaining high-quality, defect-free code, Experience with automated testing and deployment pipelines
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Collaboration, Effective Communication, Adaptability, Attention to Detail
- **Security and Risk Management:** Adherence to security coding practices and understanding of risk management and compliance in financial services
- **Incident Management:** Technical expertise in incident management, impact assessment, and communication during resolution.

WORK EXPERIENCE

Software Developer Intern | Awakeen Studio Pvt. Ltd.
○ Developed an immersive AR mobile application for Android using C#, Unity, and Android SDKs, enhancing user engagement by 30%.
○ Led design and code reviews, ensuring maintainability, security, and performance, resulting in a 20% reduction in bug rates.
○ Collaborated with cross-functional teams in an Agile/Scrum environment, improving project deliverables and team productivity by 25%.
○ Implemented unit tests and conducted automated testing, achieving a 95% test coverage, ensuring defect-free programming.
○ Documented development processes, contributing to knowledge sharing and future maintenance.

January 2022 - June 2022

PROJECTS

Employee Management System | ReactJs, Java Spring Boot, MySQL
○ Developed and maintained a full-stack application using React for the frontend and Java Spring Boot for the backend.
○ Implemented CRUD operations and optimized database queries, resulting in a 40% improvement in data management efficiency.
○ Managed data storage with MySQL, ensuring data consistency and reducing retrieval times by 35%.
○ Enhanced overall system performance by 50% through efficient database management and optimization techniques.

Restaurant Management System-Backend | PostgreSQL
○ Developed backend functionalities for managing restaurant operations, including menu management, order processing, and customer management.
○ Ensured data integrity and optimized query performance to handle large volumes of data efficiently.
○ Designed and implemented stored procedures and triggers to automate routine tasks, enhancing system performance..

Homely Delight | ASP .NET Core MVC, MS-SQL, JavaScript, React Native, Firebase
○ Spearheaded the development and integration of RESTful APIs and Google Maps API, enhancing delivery efficiency by 30%.
○ Integrated Firebase for real-time database functionality, improving data synchronization and user experience.
○ Led the end-to-end development, resulting in a 15% increase in user satisfaction scores.

Diabetes Detector | Android Java, OCR Library
○ Developed an Android application for non-invasive diabetes detection using OCR technology to interpret medical test results.
○ Designed and implemented robust APIs to manage data transactions efficiently, ensuring high reliability and performance.
○ Employed unit testing and optimized the OCR process, improving detection accuracy by 20%.

CERTIFICATIONS

- Complete React Native in 2022: Zero to Mastery (Udemy)
- Responsive Web Design (freeCodeCamp)
- Spring Boot 3, Spring 6 & Hibernate for Beginners(Udemy)-ongoing