**SANJANA SANJANA**

**Software Developer**

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**Hardworking and detail-oriented Software Engineer** with a strong passion for **backend development** using **Java, JavaScript, and MySQL**. Experienced in building **secure, scalable systems**, optimizing **data workflows**, and embedding security in the **software development lifecycle**. Adept in **code enhancement**, **version control**, and thriving in **Agile teams**. Motivated to tackle complex backend challenges and contribute to **engineering-focused security solutions**.

**TECHNICAL SKILLS**

**Languages:** Java, JavaScript, TypeScript, C#, Python, C++, HTML, CSS

**Frameworks/Libraries:** React, Vue.js, Node.js, Pinia, Vue Router, Vite

**Databases:** MySQL, SQL Server, MongoDB, Oracle

**Cloud & DevOps:** Microsoft Azure, Azure DevOps, GitHub

**Testing & Monitoring:** JMeter, LoadRunner, Splunk, Grafana

**Tools:** Swagger, Apache Kafka

**Soft Skills:** Code Reviews, Problem Solving, Agile Collaboration, Security Awareness

**EDUCATION**

**Master of Science in Computer Science and Multimedia** *Sept., 23 - June, 25*

*University of Alberta (GPA - 3.7)*

**Bachelors of Technology in Computer Science** *July., 17 - July, 21*

*Guru Nanak Dev University (GPA - 3.5)*

**EXPERIENCE**

**Software Developer Intern, Accountium, Canada** *- September, 2024 - December, 2024*

* **Developed** and **deployed** five backend modules using Javascript, C#, and SQL server, improving data processing speed by **30%** and increasing backend reliability.
* **Optimized** SQL queries and implemented stored procedures, reducing server load and improving response times on high-traffic endpoints.
* **Resolved major issues** in the mobile version of the platform, optimizing performance and compatibility across devices — leading to a **10% increase in mobile user retention**.
* **Redesigned** mobile UI and fixed critical bugs, enabling seamless navigation and contributing to a **12% rise in user engagement** over one release cycle.
* **Collaborated** cross-functionally in Agile sprints, helping the team reduce feature delivery time through efficient planning and execution.
* **Led** UI/UX testing and debugging efforts, achieving **98% unit test coverage** and enabling three consecutive zero-bug releases.
* Conducted **code enhancement** and **peer reviews**, ensuring secure, efficient, and maintainable implementations.
* Maintained **version control** using **GitHub**, improving collaboration and deployment traceability.

**Software Developer Intern, Arts Resource Center - University of Alberta, Canada** *- May, 2024 - Aug, 2024*

* **Built, developed** and **launched** two responsive web applications using **TypeScript** and **Vue.js**, enhancing platform usability.
* **Engineered** efficient data retrieval workflows with Solr and SQL Server, reducing query times and improving platform stability.
* **Created** a custom npm package to standardize UI components across projects, improving development speed and ensuring design consistency.
* **Enhanced** code maintainability by integrating BEM/SMACSS CSS patterns and optimizing modular frontend components.
* Managed **version control and task tracking** using **Azure DevOps**, supporting structured development cycles.
* Actively participated in **Agile sprint planning, reviews, and retrospectives**, contributing to reliable and secure feature delivery.
* Participated in **cross-functional Agile ceremonies**, contributing to **secure, high-performance feature delivery** and **code quality improvements**.

**System Engineer, Tata Consultancy Services, India** *- July, 2021 - June, 2023*

* **Led** the migration of a legacy desktop application to a web-based architecture, improving cross-platform accessibility and increasing adoption by **25%**.
* **Automated** backend testing using JMeter and LoadRunner, reducing manual QA time by **35%** and increasing test reliability.
* **Identified and resolved** bottlenecks in Java/.NET backend systems, decreasing API response time by **25%** and improving system uptime.
* Utilized **GitHub** for full-cycle **version control**, streamlining code reviews and cross-regional development workflows.
* **Mentored** 5+ junior engineers, improving onboarding speed and reducing early-stage bug rates.
* **Utilized JIRA** for task management and tracking, ensuring **smooth workflows** and **timely issue resolution.**