Jaskaran Singh

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PROFESSIONAL SUMMARY

Highly accomplished and awarded **Full Stack Software Developer** with 4+ years of expertise developing enterprise solutions across printing technology, healthcare, and e-commerce industries. Specialized in **Java/Spring Boot, Microservices, Rest APIs and Cloud platforms**. Proven track record in **designing, developing, and deploying scalable software solutions** for large enterprises, including **customization** requests for **Fortune 500 clients like Amazon and Siemens**. Specialized in **performance optimization, critical bug resolution (achieving near-zero defects), and initiated AI/ML integration**. Adept at **technical leadership, cross-functional team management, and translating complex business requirements into robust, scalable solutions** within **Agile (Scrum) environments**.

CORE COMPETENCIES

- **Languages**: Java, C#, C++, JavaScript, HTML, CSS, SQL
- **Frameworks & Libraries**: Spring Boot, Hibernate, JSP, Servlets, Smart GWT, JUnit, smart GWT
- **Architecture**: Microservices, REST/RESTful APIs
- **Databases**: MySQL, Microsoft SQL Server, MyBatis
- **Cloud & Big Data:** Google Cloud Platform (GCP), BigQuery (exposure)
- **AI/ML:** Generative AI project management, LLM integration (conceptual understanding)
- **Tools & Platforms**: Git, SVN, Jenkins, JIRA, Confluence, Maven, Ant, Postman, Azure DevOps, Coverity
- **Methodologies**: Agile (Scrum), Waterfall, SDLC

WORK EXPERIENCE

Ricoh Canada, Kitchener,ON   *Software Developer II*   *Sept 2022 – Present*

- **Led development of QR code generation feature for Ricoh mobile applications**, **enabling secure direct scan-to-print job release and eliminating manual device setup**, reducing print job completion time by 15% and improving user convenience across enterprise deployments.
- **Developed** the BSI (Brother Service Interface) tool, an enterprise strategic initiative to **gain competitive advantage** by integrating Ricoh StreamLine NX functionality onto Brother devices, thereby **expanding market reach to over 10,000 potential clients**.
- **Developed and delivered critical customization** for high-profile Fortune 500 clients (IBM, Siemens, Wells Fargo, Amazon and many more), proactively **troubleshooting high-priority technical issues to maintain client satisfaction and ensure platform reliability.**
- **Initiated and owned development** of internal **tools** and applications aimed at optimizing core business processes, resulting in a 15% increase in operational efficiency and customer acquisition through streamlined workflows.
- **Provided strategic technical advisory** as a Subject Matter Expert (SME) to regional stakeholders, leveraging **R&D insights** to significantly **influence critical technical decisions** and contribute to **measurable business growth**.
- **Drove the refactoring** of the critical XDP (Extended Device Preference) module, **strategically redesigning for stability and performance** to minimize client-reported bug tickets by 70% quarterly, **significantly minimizing the blocker issues and reducing support overhead.**
- **Spearheaded the engineering and strategic redesign** of the critical XDP (Extended Device Preference) module, **optimizing for robust stability and peak performance**. This initiative **minimized client-reported bug tickets by 70% quarterly**, significantly **reducing blocker issues** and **streamlining**

long-term support operations.

Agfa Healthcare, Waterloo,ON　　　　*Java Software Developer Co-op*　　　　*Sept 2021 – Dec 2021*

- **Implemented** comprehensive analysis, Java, JUnit, and JBoss, **testing over 50 packages**.
- **Analyzed** server, test, and Jenkins logs to identify and resolve critical bugs, reducing average troubleshooting time and improving deployment success rates.
- **Introduced** Server rules (ILMs), enhancing server processing efficiency by **over 2x**.
- **Managed** deployment and maintenance of a development sandbox, enabling changes and executing automated tests locally for **200+ user stories**.
- **Engineered** code modifications addressing product requirements and defects, managing the full development lifecycle from code commits to pull request reviews and automated test workflow monitoring.

Percept Technologies, Delhi,India　　　　*Java Software Developer*　　　　*Jan 2019 – June 2020*

- Designed and developed responsive user interfaces using JSP, JavaScript, HTML, and CSS, improving user engagement metrics and reducing page load time by 40%.
- Implemented multithreading and exception handling to improve application performance, reducing response time and enhancing stability under concurrent loads.
- Developed back-ends for web and desktop applications using Java Spring Boot, ensuring responsive design and optimal performance across platforms.

Talent 4 Assure, Delhi,India　　　　*Software Developer Intern*　　　　*May 2018 – July 2018*

- Gained hands-on experience with Java Servlets, JSP, and full-stack web development through live client projects spanning multiple industries.
- Collaborated with senior developers on production deployments, learning best practices for code reviews, testing, and version control workflows.

PROJECTS

Auto-Claim Genius: AI-Powered Insurance Claims Analysis (Team Lead - Google Hackathon)　　　GitHub Link

Led a cross-functional team to build an AI-driven insurance claims resolution engine that automates damage assessment using BigQuery ML and Generative AI.

- **Team Leadership:** Managed project planning, task delegation, and sprint cycles for a 3-person team, ensuring on-time delivery of all project milestones.
- **Technical Coordination:** Collaborated with data engineers and ML specialists to define requirements, coordinate implementation, and align technical approach for multimodal data integration resulting in an increase of data coverage by 25% for enhanced damage analysis.
- **Solution Architecture:** Designed high-level system architecture combining BigQuery, Gemini LLM API, and BigFrames for scalable claims processing automation.
- **Tech Stack:** Google BigQuery, Python (BigFrames), Gemini LLM API, Generative AI, Project Management

Caffena　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Github Link

This project was brewed to perfection, catering to coffee enthusiasts and café owners alike. It's a one-stop **e-commerce site** where anyone can easily book coffee machine spare parts and other coffee-related products.

- **Tech stack Highlight**: Java Spring Boot, Spring Security, HTML, BootStrap, CSS, JavaScript, JSP, Hibernate, MySQL and Payment Gateway.

Clothes On Search　　　　　　　　　　　　　　　　　　　　　　　　Github Link

An **e-commerce web application** to buy your daily fashion needs items.

- **Tech stack Highlight**: Java Spring Boot, HTML, BootStrap, CSS, JavaScript, JSP, Hibernate, MySQL, Payment Gateway.

Dentist Clinic Management System　　　　　　　　　　　　　　　　　　Github Link

Desktop Application for managing dentist clinics. This application can also be used for other medical-related management.

- **Tech stack Highlight**: C#, XML, WPF, LINQ.

PUBLICATIONS

- Jaskaran Singh, "A Review Study on Blue Brain Technology," International Journal of Technology and Computing (IJTC) · Aug 1, 2017, International Journal of Technology and Computing (IJTC) · Aug 1, 2017.

ACHIEVEMENTS

- High Performing Employee Award - Ricoh Canada (2022-2025).
- High Distinction Postgraduate Award (GPA: 3.95)
- Best Capstone Project.
- Published Research Paper in International Journal (Blue Brain Technology, 2017)
- Recognized as Supportive and Calm Team Lead

EDUCATION

- **Conestoga College,** Postgraduate in Mobile Solutions Development, *May 2020 – Aug 2021 (*GPA: 3.95)
- **I.K. Gujral Punjab Technical University,** Computer Science and Engineering, *April 2016 – May 2020(CGPA 7.89)*