

Danyaal Patel

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EXPERIENCE

Software Engineering Fellow

July 2024 - September 2024

Headstarter AI

Remote, USA

- Led the development of key projects, integrating **cutting-edge technologies** and **AI-driven solutions**, while gaining practical experience in **web development** and participating in mock scenarios and hackathons.
- Served as **Scrum Master**, **facilitating agile processes** while ensuring team collaboration and project delivery.

Associate Software Developer

September 2023 - May 2024

Absolute Security (Formerly Absolute Software)

Vancouver, Canada (Hybrid)

- Developed and implemented Java-based software components and **RESTful APIs**, focusing on robust design, implementation, and testing to meet client and stakeholder requirements.
- Deployed and contributed to **microservice components** using Jenkins, Kubernetes and ARGO.
- Led daily Agile scrum meetings** and actively participated in backlog refinement and sprint planning.
- Maintained team quality benchmarks by achieving **90% code coverage** in unit tests for all new code.

Java Developer

September 2022 - January 2023

Albertsons Companies

Vancouver, Canada (Hybrid)

- Connected an API interface to company semi-trucks** by creating PowerShell and command-line scripts
- Automated weekly data collection and formatting in JSON for **16 distribution centers across the United States**, enabling critical operational reviews and adjustments.
- Increased code coverage by 25%** by implementing essential JUnit tests in Java-based repositories.
- Authored comprehensive support documentation for both the technical support team and end users.

Application Programmer Analyst

September 2021 - January 2022

Provincial Health Services Authority (PHSA)

Vancouver, Canada

- Developed, implemented, and tested a **.NET-based website**, with a focus on **augmenting it with new pages and menus** while strictly adhering to development standards and wireframe documentation.
- Executed **database updates with SQL queries** and troubleshoot web and database issues.

Sales Specialist

September 2023 - January 2024

Apple

Vancouver, Canada

- Identified customer needs and showcased **product features**, enhancing **product knowledge** through training.
- Built relationships** with customers by providing support, answering questions, and following up on purchases.

PROJECTS

Escape From Corona 🗡️ | *Java, Maven, JavaFX, JUnit, Swing GUI*

SFU SWE Class

- Engineered a coronavirus-themed, **multi-level 2D maze game**, featuring rewards, punishments, and moving enemies with pathfinding algorithms. Focused on front end including UI, menu screens, and audio integration.

iCradle 🗡️ | *React, Python, TypeScript, Docker, HTML/CSS*

SFU Special Projects Class

- Reduced preventable maternal deaths in Ugandan villages by 22%** by supporting a technological healthcare system developed in partnership with King's College London, with a focus on improving maternal care.
- Served as **Product Owner**, managed business needs from stakeholders to technical partners, and contributed to coding, maintaining, fixing bugs, and introducing new features to ensure efficient project execution.

StockStarter 🗡️ | *JavaScript, React, Next.js, Tailwind, Firebase, Stripe, OpenAI* Headstarter SWE Fellowship

- Created an **AI-powered flashcard app** that dynamically generates study materials on stock and finance topics from user inputs, featuring login capabilities and the option to save flashcards for personalized learning.

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computer Science & Joint Major in Business Administration

May 2024

Simon Fraser University

Certified ScrumMaster® (CSM®), *Scrum Alliance*

August 2024

Artificial Intelligence & Blockchain WIL Certificates of Completion, *ICTC*

April 2022

TECHNICAL SKILLS

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

Frameworks & Libraries: JUnit, Spring Boot, jQuery, Tailwind, Next.js, Material-UI, ASP.net, Bootstrap

Developer Tools: Git, Docker, Maven, ArgoCD, Jenkins, MongoDB, Kubernetes, IntelliJ, VS Code

APIs & Project Management: Firebase, Jira, Confluence, AWS, Stripe, Vercel, Clerk, OpenAI, Figma, Sharepoint