M SHABRAJ SHAHID

B.C, CANADA – **shahidshabraj@gmail.com**
www.mshabrajshahid.com | www.linkedin.com/in/m-shabraj-shahid-6574b1209| www.github.com/tushan-shahid

Skills

Languages: Java, C, Python, JavaScript, HTML, CSS, PHP, TypeScript, SQL, CUDA, jQuery, XML, Bash, Dart
Frameworks: React, Next.js, SCSS, Tailwind CSS, Node.js, Express.js, GraphQL, Hasura, Metasploit, NMAP, Aircrack-ng, Burp Suite, Flutter, FastAPI, Pytest, Jest
Other: Postman, MongoDB, PostgreSQL, BigQuery, RudderStack, Docker, Linux, Google Cloud, AWS, Digital Ocean

Education

University of British Columbia **Sept 2018 - Apr 2023**
Computer Science Major, Psychology Minor
RELEVANT COURSEWORK: COSC 310 Software Engineering • COSC 360 Web Development • COSC 404 Database System Implementation

Professional Experience

Matter Inc. – Full Stack Web Developer — Aug 2026 – Present
Junior Full Stack Web Developer — Mar 2025 – Aug 2026

- Own the merchant administration portal and dashboard end to end — **GraphQL**/**Hasura** data layer, shared component library, offer editor, and funnel-cloning tools in **TypeScript**, **React**, and **Tailwind CSS**.
- Designed and shipped conversion-based reweighting and weighted variant routing for the company's **Bayesian experimentation engine**, with simulation confirming convergence on the highest-converting variant.
- Delivered the first production release of the experiments system with **server-side caching**, test coverage, and an end-to-end test spanning ad account, variant generation, experiment URLs, checkout, and event validation.
- Built the commerce layer — orders dashboard, order-sync safeguards, order APIs, and refund and partial-refund workflows for bundled offers — and integrated merchant **Shopify** stores and ad accounts with the platform.
- Built the telemetry pipeline on **RudderStack**, **Google Tag Manager**, **GA4**, and **BigQuery**, tracking model usage, cost, duration, and failures alongside section-view, scroll-depth, and dwell-time events.

S.S. Trading International – Web Developer / IT Executive — Jul 2023 – Feb 2025

- Designed, developed, and maintained websites and web applications for the company and its sister concern, **Smart IT**, working as a fully remote employee.
- Built responsive, user-friendly interfaces and wrote clean, well-documented code in modern web technologies; troubleshot, debugged, and optimized site performance.
- Managed website updates, security, and ongoing maintenance, coordinating delivery with the team through online communication and project-management platforms.

RentalHunt – Software Developer / Executive — Jan 2023 – Jun 2025

- Executed front-end development with **NextJS** and **React**, writing over 250 unit tests with **Jest** and increasing code coverage by 30%.
- Managed back-end operations in **FastAPI** and **Python** with **PostgreSQL**, using **SQLAlchemy** for ORM and **Alembic** for database migrations.
- Contributed to UML diagrams, sprint planning, and the system design and implementation of the Admin Panel.

Light-Up Kelowna – Systems Designer — Sept 2022 – Dec 2022

- Enhanced an existing software platform using **C** for Mac OS deployment, introducing functionality to enable artists to independently upload videos to the platform.
- Integrated connectivity with three projectors, consolidating operations to a singular MacOS. Utilized **pjLink** and **pjTalk** to synchronize the three projectors effectively.
- Leveraged **OpenGL** to flawlessly project artist videos across the three projector screens, ensuring seamless multimedia performance.

Alternator Gallery – Technician — May 2019 – Jan 2021

- Resolved a variety of operating system **issues**, and efficiently managed software **installations** on client machines to ensure optimal performance.
- Provided technical support and guidance to local artists, assisting in the integration of technology in their art installations.
- Conducted network **troubleshooting**, facilitated **firewall** setups, and successfully configured **proxies**, thereby enhancing network security and functionality.

Projects

PharmaPal – Capstone Project | UBC

- Developed frontend of the application using **React** and **NextJS** using **TypeScript**. Implemented over 200-unit tests using **React Test** covering modules consisted of Authentication, Authorization, Quizzes and Admin panel.
- Developed backend using **ExpressJS** and **TypeScript**. Implemented manual testing using **Postman** and **Bash** scripts.
- Practiced agile development in a team, contributing to sprint planning, UML diagrams, and the system design of the Admin Panel.
- Implemented **CI/CD** using **GitHub Actions**, deployed the product on **Vercel**.

Nova Chatbot – Software Engineering Project | UBC

- Developed a feature to add a **Sentiment Analysis Toolkit** from Stanford API. Used **POS Tagger** to extract certain parameters from user input.
- Implemented text-to-speech to increase user accessibility.
- Developed GUI of the chatbot using **JSwing**.

Certifications

- **Offensive Security Wireless Professional (OSWP) | Offensive Security**
- **Kali Linux Certified Professional (KLCP)| Offensive Security**
- **Computer Networking | Google**