Hasan Noor

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Education

University of British Columbia **Sept 2022 – Apr 2027**
BSc Computer Science, GPA: 4.0/4.33 *Vancouver, BC*

Experience

Rivian Automotive **Sept 2025 – Apr 2026**
Incoming Software Engineer Intern *Vancouver, BC*
- Developing user-facing interfaces for vehicle infotainment systems in Android OS.

SAP **Jan 2024 – Aug 2024**
Site Reliability Engineer Intern *Vancouver, BC*
- Provided technical support to **100+ enterprises** for their deployed SAP systems, achieving a **95% satisfaction** rate.
- Built a real-time dashboard to track critical customer issues using **Electron, React** and **Flask**, reducing team's first response time to under 10 minutes, down from 20.
- Configured and managed **Docker** containers for testing SAP application environments, reducing setup time by 60% compared to manual deployments.
- Resolved **34 critical issues** through code analysis and system tracing to diagnose deployment failures.
- Diagnosed a memory leak in a customer's SAP instance by analyzing heap dumps and JVM performance metrics, preventing future crashes and improving uptime.
- Resolved a high-priority authentication failure affecting 1000+ users, identifying the root cause through Linux log analysis, **OAuth** token inspection, and **SSL/TLS** certificate mismatches.

Faculty of Computer Science, UBC **Sept 2023 – Current**
Teaching Assistant *Vancouver, BC*
- Provided one-on-one guidance to students for topics in discrete math and computing logic.
- Achieved 95% highly positive impressions from surveyed students over 240 teaching hours.

Projects

Tutoring Business Website 🔗 | *React, TypeScript, Vite, Firebase, Stripe* **Feb 2025 - Current**
- Designed and shipped a tutoring website serving **80+ active users.**
- Achieved **near-zero operating costs** by implementing Firestore and client-side processing for a lean infrastructure.
- Currently integrating **Stripe API** with **Firebase Functions** to process **$5,500+** in monthly transactions.
- Designed email system to completely automate booking and notification process using Resend API.

Social Media Account Hunter 🔗 | *React, Python, Google Cloud Platform, Docker* **Oct 2023**
- Built full-stack web app to find all social media accounts under a specific username.
- Implemented **multithreading, Server Sent Events** and lazy-loading to reduce server response time by 85% compared to using a POST response.
- Reduced cold start delays by 70% by deploying **Docker container** with pre-warmed instance to Google Cloud Run.
- Established **CI/CD** pipeline via Google Cloud Build to reduce manual deployment time by 40%.

Bluetooth Chat App 🔗 | *Kotlin, JetPack Compose, Bluetooth* **Feb 2025 - Jun 2025**
- Built chat application using **Kotlin** and Android Bluetooth API, enabling P2P communication over Bluetooth Classic.
- Developed BluetoothSocket and UUID-based **authentication protocol** enable peer verification and secure pairing.
- Leveraged Dispatcher.IO **Kotlin coroutine** to offload intensive I/O operations from main thread, reducing UI blocking and improving message transmission speed by 40%.

Electric Vehicle Testbench 🔗 | *C, C++, Assembly, Arduino* **Aug 2022 - Apr 2023**
- Developed a TFT-LED HUD using **C/C++** and Adafruit GFX, providing real-time vehicle metrics to testbench users.
- Integrated cloud-hosted Grafana dashboard for data visualization, streaming live telemetry via ESP32 over WebSockets.

Leadership / Extracurricular

SAP Canada Intern Committee **Jan 2024 – Aug 2024**
Event Manager *Vancouver, BC*
- Worked in a team of 15 to organize and execute Vancouver-local and Canada-wide office events for 100+ interns.
- Increased average event turnout by 40%, through effective event planning and marketing.

Technical Skills

Languages/Frameworks: JavaScript, TypeScript, React, HTML, CSS, Python, C, C++, Java, Kotlin , SQL, Arduino
Developer Tools: NodeJS, Google Cloud Platform, Git, Linux, Docker, JUnit, Mocha, Chai, WebSockets