

Jasdeep Dhillon

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Education

Conestoga College, Post-Graduate in Web Development – Kitchener, ON

California State University Monterey Bay, BS in Computer Science – California, USA

- GPA: 3.67/4.00, Cum-Laude
- Teaching Assistant for Dr. Glen Bruns and Dr. Drew Clinkenbeard

Experience

Software Developer (Intern), dKomplex IT – Seaside, CA, USA Sept 2022 – Apr 2023

- Enhanced staff efficiency and productivity by developing an automated virtual engineer using Microsoft Canvas Apps and Azure OpenAI API integration.
- Designed an intuitive interface with Java on Power Apps and implemented API response retrieval through Power Automate flows, integrating with Spring Boot REST API for fast and precise information retrieval.
- Collaborated within Agile cross-functional teams, actively engaged in sprint planning and retrospectives. Contributed to comprehensive user guides, documentation, and rigorous testing to guarantee app functionality.

Network Administrator, Super 8 Inn – Willits, CA, USA Apr 2023 – Dec 2023

- Maintained guest WiFi networks providing improved speeds and better isolation from guest network.
- Designed and developed captive portal authentication for guest internet access with custom login pages.
- Managed phone systems for front desk and room services.

Projects

Sphere May 2025 – Sept 2025

- Real-time communication platform using WebRTC for peer-to-peer connections.
- Developed front-end using Next.js App Router alongside server side components for secure handling of data.
- Designed data schema and backend logic on Convex with optimistic updates.
- Implemented Better-Auth for authentication and authorization for user access.
- Implemented Stripe gateway for payment and secure checkout sessions

Solar-P2P Jan 2022 – May 2022

- Developed full-stack IoT system for inter-device communication.
- Implemented Flask API for user authentication, data management and real time messaging.
- Built a lightweight web portal using Express.js for device setup and user administration.
- Developed software-hardware integration on Raspberry Pi devices.
- Implemented tests for backend and Raspberry Pi integration.

Skills

Languages: C++, TypeScript, Java, Kotlin, Rust, C#, Nix, Bash, C, PHP, Dart, Python

Web Frameworks: Next.js, React, Hono, Express, Fastify, Django, ASP.net, Flask, Sprint Boot, .NET core, Flutter

Infrastructure: AWS, Docker, Podman, Nix, Github Actions