

Dil Nahal

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TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C/C++, PHP, Dart, SQL (Postgres), HTML/CSS

Frameworks/Technologies: React, React Native, Expo, Node.js, Django, FastAPI, Express.js, JUnit, Neon, Nest, Vite

Developer Tools: Git, Heroku, IntelliJ, PyCharm, VS Code, Visual Studio, Android Studio, Eclipse, Trello

EXPERIENCE

Full-Stack Software Developer

April 2024 – January 2025

Cloverdale Robotics Learning

Surrey, BC

- Developed full-stack internal tools and web applications for instructors to streamline daily workflows
- Managed databases and server hosting for multiple internal and outward-facing websites
- Built a cross-platform mobile application (iOS and Android) that enables instructors to submit attendance and communicate with parents in real time
- Created an emergency alert system to instantly notify parents and office staff of critical updates

Programming Instructor

February 2023 – April 2024

Cloverdale Robotics Learning

Surrey, BC

- Taught students foundational programming, robotics, and computational thinking concepts
- Designed and iterated on lesson plans to deliver engaging, age-appropriate STEM content
- Managed inventory of robots, tablets, and related accessories to ensure equipment availability and reduce loss
- Collaborated with other instructors and parents to maintain effective, inclusive learning environments
- Provided individualized feedback and recommendations to help students pursue further education in technology

Full-Stack Software Developer Intern

Sep 2020 – Feb 2023

DhanRhak Investments

Vancouver, BC

- Developed RESTful APIs using Django REST Framework and PostgreSQL for multiple projects
- Built a React Native mobile application that helps customers discover local small businesses
- Coordinated with the team lead to define project requirements and timelines, improving delivery predictability and productivity
- Managed Trello boards and cross-team communication to keep stakeholders aligned and ensure deadlines were met
- Maintained and enhanced existing applications in response to new business requirements and market changes
- Reviewed and provided feedback on pull requests to ensure code quality, performance, and security best practices

PROJECTS

Ultimate Golf Sim | *React, TypeScript, Express, Prisma, PostgreSQL, Cloudflare R2*

- Built an online, browser-based golf game with persistent player profiles, progression, and global leaderboards
- Implemented a full-stack architecture with a React front-end and an Express/Prisma API backed by PostgreSQL
- Designed systems for tournaments, seasons, and stat tracking to support competitive play and user engagement
- Integrated Cloudflare R2 for asset storage and optimized data access patterns for performance and scalability

BrokerConnect | *React Native, TypeScript, NestJS, PostgreSQL, Twilio, RevenueCat*

- Developed a cross-platform mobile application for iOS and Android that enables real estate brokers to share off-market listings and client requirements
- Implemented secure phone-based authentication and messaging flows using a NestJS API, PostgreSQL, and Twilio
- Integrated RevenueCat to manage in-app subscriptions, entitlements, and access to premium features

Breeze-Init | *Node.js, TypeScript, Express, Prisma, PostgreSQL, Docker*

- Created an npm CLI tool that scaffolds production-ready Express backends with an opinionated project structure
- Added optional generators for authentication, Prisma models, PostgreSQL integration, and basic CRUD endpoints
- Configured ESLint, Prettier, Vitest, Swagger, Docker, and Git integration to standardize new project setups

EDUCATION

Simon Fraser University

Sep 2020 – Dec 2025

Bachelor of Science in Computer Science

Burnaby, BC

- Relevant Coursework: Software Engineering, Data Structures and Algorithms, Object Oriented Programming and Design, Web Development, Linear Algebra, Machine Learning, Large Language Models