

# Pouyan Norouzi

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## SKILLS

- Software Development: JavaScript, TypeScript, Python, Java, C#, C, Kotlin
- Web Technologies: HTML, CSS, React, Vue, Next.js, Nuxt, jQuery, Node.js, Express.js, EJS
- Systems: Linux, Bash, Operating Systems, Raspberry Pi, Networking, System Security, Android
- Data: MongoDB, MySQL, PostgreSQL, Firebase, Prisma, DynamoDB, RDS
- Cloud & DevOps: EC2, Lambda, S3, Git, Docker, Nginx, AWS Amplify, Jenkins

## PROJECTS

### SafeDev

Hackathon Project

A developer-first security platform built in 24 hours during a hackathon to help find security issues.

- Developed real-time GitHub repository scanning with automated secret detection capabilities.
- Built JWT inspector for decoding, validation, and security analysis of JSON Web Tokens.
- Integrated AI-powered security advisor using GPT-4o for intelligent vulnerability assessment.
- Created responsive web interface using Next.js, TypeScript, and Tailwind CSS with animations.

### FaaSify

Academic Project

A serverless e-commerce platform built on AWS cloud architecture in an 11-person team.

- Developed WebSocket server using TypeScript and Bun for real-time messaging features.
- Implemented typing indicators, read receipts, and user presence tracking.
- Deployed on AWS infrastructure utilizing Lambda, DynamoDB, and API Gateway.
- Maintained continuous deployment pipeline to validate changes in production environment.
- Gained experience in orchestrating multiple services and managing serverless architecture.

### Memeify

Academic Project

A full-stack meme generation platform that uses AI to create captions for uploaded images.

- Built TypeScript backend API and HTML/CSS/JavaScript front-end.
- Integrated FastAPI micro-service with BLIP model for AI-powered image captioning.
- Implemented user authentication and image processing workflows.

### Accountium

ISSP Project

An industry-sponsored project to improve the UI of existing accounting software and develop marketing materials.

- Worked with a C# backend and vanilla HTML, CSS, JavaScript, and jQuery front-end.
- Developed a reusable table component for programmatic table generation with consistent styling.
- Addressed legacy code challenges by creating modular, maintainable UI components.

### Conscious Connections

ISSP Project

An industry sponsored student project building a full-stack dating platform for conscious connections.

- Built user profiles, matching algorithms, and secure messaging features.
- Used Next.js, NextAuth, and Tailwind CSS for a modern, responsive UI.
- Integrated Stripe for subscription-based features and payments.
- Emphasized clean architecture and collaborative Agile development.

### Mouyan

Academic Project

A modern Android movie rating application built with Jetpack Compose and Material Design 3.

- Integrated TMDb API for comprehensive movie search and detailed information display.
- Implemented personal movie rating system with comments and rating history tracking.
- Featured cast and crew information display and popular movies browsing functionality.

### TDP Games

Academic Project

A cloud-hosted real-time game platform designed for AWS deployment.

- Implemented multiplayer game logic using WebSockets and Redis for live state updates.

- Built user authentication, lobby creation, and matchmaking features.
- Deployed using AWS infrastructure with scalability in mind.
- Designed responsive front-end using HTML, CSS, and TypeScript.

### **Pouyan Web Services**

Personal Project

A cross-platform C-based client using libssh that connects to an SSH server for file management and remote terminal access.

- Developed SSH and SFTP functionality for secure communication with Raspberry Pi servers.
- Ensured compatibility across Linux and Windows operating systems.
- Focused on a clean command-line interface and stable file transfer operations.
- Utilized libssh for efficient session handling and authentication.

### **Multicultural Calendar**

Personal Project

A global holiday calendar web application displaying holidays from various cultures along with historical and cultural context.

- Utilized Vue and JavaScript for building dynamic and reactive user interfaces.
- Designed RESTful APIs with Node.js to fetch and serve holiday data efficiently.
- Leveraged MongoDB for scalable and flexible data storage.
- Implemented features for search, filtering, and date-based navigation to enhance user experience.

### **DisasterNot**

Academic Project

An educational web application designed to help users prepare for natural disasters with an interactive chat-bot.

- Developed front-end views using HTML, CSS, and EJS templating in Node.js.
- Created a chat-bot using the OpenAI API to provide natural language responses and summaries for disaster preparedness.
- Built and maintained a MongoDB database to store user information.
- Focused on delivering a user-friendly design with accessible content to reach a broad audience.

### **Textbook Hero**

Academic Project

A web application designed to facilitate peer-to-peer buying and selling of used textbooks.

- Built responsive and intuitive user interfaces using HTML, CSS, and JavaScript.
- Integrated Firebase for authentication, real-time database management, and data storage.

## **EXPERIENCE**

### **TECH Specialist**, London Drugs, Burnaby

June 2025 - Present

Delivering product advice and sales assistance in the Tech Department at London Drugs.

### **Front Desk Volunteer**, BCITSA, Burnaby

September 2024 - May 2025

Provided front-desk support by greeting visitors and assisting with administrative tasks.

### **Home Solutions Advisor**, Best Buy, Coquitlam

August 2023 - January 2024

Was a seasonal hire that helped with sales during a busy season.

## **EDUCATION**

### **British Columbia Institute of Technology**

January 2024 - December 2025

Computer Systems Diploma

Burnaby, BC

### **Terry Fox Secondary School**

Class of 2023

Coquitlam, BC