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## INTERESTS

Hiking Running Biking

Blockchain Badminton

## TECHNICAL SKILLS

### AI

OpenAI, Vercel AI SDK, Prompt Engineering, Tool Calling, Retrieval, Batch/Async Pipelines

### Languages

TypeScript, JavaScript, Java, Python, SQL, R, MATLAB, (some) Lisp

### Frameworks

React, Next.js, Astro, React Native, Jotai, React Query, TipTap, NestJS, Spring Boot, FastAPI, Django, Puppeteer

### DB

MySQL, PostgreSQL, SQLite, Supabase

### Cloud & DevOps

AWS, GCP, Docker, Nginx, CI/CD

## PROJECTS

### Erxr (11/2025 - Present)

- **Exploratory build** currently in motion - details coming soon.

# Ansh Dubey

## Software Engineer

**Creative full-stack engineer** shipping extremely reliable, efficient, and scalable products. Currently building systems at RenovationFind.com.

## EDUCATION

### ● B.S. Computing Science: Software Practice

University of Alberta

09/2017 - 12/2023

#### Highlights

- Honors coursework in data structures, algorithms, operating systems, databases, and modern web development.
- Active in multiple **hackathons**, a university **research lab**, and was a member of the University of Alberta's badminton club.

## WORK EXPERIENCE

### ● Founding Software Engineer

RenovationFind Inc.

01/2024 - Present

Vancouver, BC (Remote)

Home-renovation marketplace connecting homeowners with vetted contractors.

#### Achievements/Tasks

- Operated as sole engineer across the stack, working directly with CEO/CFO to design and deliver **core business systems**.
- Architected a drip referral platform sending **300k+** emails/SMS per quarterly campaign; unlocked a new revenue stream.
- Built CRM integrations and vendor automation, reducing manual ops and driving **~1100%** increase in vendor engagement.
- Led on-prem → AWS migration (EC2, MGN, EBS, CloudWatch), improving reliability and cutting infrastructure cost by **~50%**.
- Rebuilt legacy AngularJS apps in React; sustained **~99.9%** uptime over 12+ months.
- Executed a *zero-downtime* migration of **500k+** records, preserving customer and internal continuity.
- Launched AI-assisted lead distribution with vendor-ranking algorithms; supported **\$3M+** in closed projects in the last year.
- Delivered a redesigned reputation management product, lifting conversion from **~40% → ~85%**.
- **Technologies:** *React, TypeScript, Jotai, React Query, Java, Spring, NestJS, MySQL, AWS, Docker, Nginx*



## PROJECTS

### Strixia AI (11/2024 - Present)

- **End-to-end resume builder** with AI assistance: precise client-side pagination via ResizeObserver metrics, deterministic HTML→PDF (Puppeteer) with embedded fonts, and context-aware actions via an *intent-to-tool* router.
- Rich editing using **TipTap** and *fine-grained* state with Jotai; multi-layout themes, print-safe rendering, and stable CI/CD.
- **Technologies:** React, Tailwind, React Query, Jotai, TipTap, Puppeteer, NestJS, OpenAI, Vercel AI SDK, Supabase
- *Tidbit:* This very resume was generated and formatted using **Strixia AI**.

### Inverra (07/2025 - Present)

- Built an **LLM-assisted research pipeline** with OpenAI Deep Research batch APIs; ingests Reddit signals and *normalizes* outputs into actionable summaries.
- Integrated real-time market data (Polygon.io), persisted artifacts in Supabase, and shipped a streamlined React UI.
- **Technologies:** TypeScript, React, shadcn/ui, OpenAI, Polygon.io, Supabase

### Lifestone (01/2023)

- Web app where users authenticate via MetaMask and mint life milestones as **Ethereum NFTs**; includes contract logic and minting flows.
- **Technologies:** React, TypeScript, Redux, Solidity, Ganache, Truffle, FastAPI, AWS S3



## WORK EXPERIENCE

### Software Engineer Intern

Intuit

09/2022 - 08/2023

Edmonton, AB (Hybrid)

Global fintech company building products like TurboTax, QuickBooks, and Mailchimp.

#### Achievements/Tasks

- Shipped features for a React **conversation flow designer** within the Conversational AI team.
- Increased automated test coverage by **~35%**, improving deployment confidence and regression safety.
- Diagnosed and resolved launch-blocking defects under tight deadlines to protect release schedules.
- **Technologies:** TypeScript, React, React Flow, Redux, Jotai, Jest, Java, Spring, Hibernate, Python, FastAPI, PostgreSQL, AWS

### Software Developer Intern

Alberta Language Technology Lab

01/2022 - 04/2023

Edmonton, AB (Remote)

Research lab advancing language technologies for Indigenous languages.

#### Achievements/Tasks

- Led development of a cross-platform **offline Morphodict client** (Plains Cree–English).
- Collaborated with linguists and engineers to design features serving both research and end-user workflows.
- Refactored the client with *multithreaded* processing, improving responsiveness and stability.
- **Technologies:** Python, Kivy, Django, SQLite, p4a

### Full Stack Developer Intern

Fluid Life

01/2020 - 08/2021

Edmonton, AB (On-site)

Provider of reliability solutions and lubrication analysis for industrial clients.

#### Achievements/Tasks

- Refactored and extended web/desktop/mobile platforms used by **90k+** customers.
- Built a **public REST API** that unlocked a new revenue stream.
- Modernized the mobile app to React Native/Redux; supported QA and monitored production rollouts.
- **Technologies:** React Native, Redux, AngularJS, Java, Spring, Hibernate, C++