

Iskander Dauletov

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SKILLS

Languages: JavaScript, TypeScript, Python, C/C++, C#, Java, HTML/CSS, SQL, Bash

Technologies: Git, Node.js, .NET, Vue, React, Express, Django, GPT, Redis, AWS, Docker, MongoDB, Firebase, PostgreSQL, DynamoDB, Tailwind, Bootstrap, Jest, SKLearn, Selenium, NumPy, Pandas, Postman, GraphQL

Concepts: Relational Databases, Unit Testing, Full-Stack, Backend, Frontend, ETL

EXPERIENCE

Software Engineer

San Francisco, CA

Draftaid (YC W24)

May 2025 – Present

- Developed algorithms for rendering 2D images of 3D objects
- Implemented AI drawing engine detection of cut angles, square cutouts, stud bolts, and half slots for **1M+** parts to speed up the respective dimension annotations by **80%**
- Built a pipeline to speed up the transfer of **210GB+** files by **50%** from SFTP to **AWS S3** using **AWS EC2**
- Wrote a Python script to automate E2E testing of CAD file generation using **Lambda** to save **3+** hours daily

Backend Developer

Waterloo, ON

Descartes Systems Group

September 2024 – December 2024

- Optimized search functionality in **C#** enabling users to refine query results with granular criteria on **1K+** pages
- Implemented logistic agents using MVC architecture to ensure consistency between **200+** buyers and suppliers
- Built a pipeline to send daily emails for **110+** users to receive real-time updates and insights
- Spearheaded development of secure controller layers using **C** by integrating security against XSS and CSRF attacks

Full Stack Engineer

Toronto, ON

Feroot (YC W21)

January 2024 – April 2024

- Developed a scanner using **Vue** to assess privacy and security compliance (PCI-DSS 4.0, HIPAA, CCPA)
- Created a backend service in **TypeScript** for JIRA, AWS, Datadog authentication and token reconfiguration
- Built the UI for dashboards to visualize threat intelligence on **400+** pages

Software Engineer

Waterloo, ON

Manulife

May 2023 – August 2023

- Integrated cross-platform compatible bar, line, and pie charts for **330+** components using **React** and **Tailwind**
- Optimized core user workflows by reducing page load time by **35%** using code-splitting and lazy loading
- Developed **50+** automated test suites using Jest, achieving **100%** code coverage to enhance quality assurance

Software Engineer

Toronto, ON

Smartnet

June 2022 – August 2022

- Developed a graph algorithm in Python for solving **NP-Hard** problems to find shortest delivery paths
- Integrated address validation for **100s** of addresses to render them on Google Maps using **Django**

EDUCATION

University of Waterloo

Waterloo, ON

Bachelor of Computer Science

2022 – Present

PROJECTS

BoardAtWork | Python, C++, Arduino

- Built a whiteboard plotter with image processing using Arduino, servo motor, stepper motors, and timing belts

Monopoly | Python, Django, PostgreSQL, Redis

- Created a real-time multiplayer Monopoly game with WebSocket synchronization

C Compiler | C++, MIPS Assembly

- Developed a compiler using C++ algorithms for token recognition, parse tree creation, and MIPS code generation

Chess | C++, X11

- Built a CLI and GUI chess game with human gameplay and human vs AI gameplay at varying difficulty levels

Fitness Chatbot | JavaScript, HTML, CSS

- Integrated OpenAI API to create an AI personal trainer chatbot with HTTPS security