

# Iskander Dauletov

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## SKILLS

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

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

**Concepts:** Relational Databases, Unit Testing, Full-Stack, Backend, Frontend, MVC Architecture

## EXPERIENCE

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### Draftaid (YC W24) | Software Engineer

May 2025 – Present

- 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 of daily manual testing

### Descartes Systems Group | Backend Developer

September 2024– December 2024

- Implemented logistic agents using **MVC** architecture to ensure consistency between **200+** buyers and suppliers
- Built a **RESTful** endpoint for daily email processing requests enabling **110+** users to receive real-time updates and insights
- Optimized search functionality in **C#** enabling users to refine query results with granular date-based criteria alongside broader date parameters
- Spearheaded development of secure controller layers using **C#** by integrating security against **XSS** and **CSRF** attacks

### Feroot Security (YC W21) | Full Stack Engineer

January 2024– April 2024

- Developed a scanner using **Vue** to perform privacy and security compliance assessments (PCI-DSS 4.0, HIPAA, CCPA)
- Created a backend service using **TypeScript** for **JIRA**, **AWS**, **Datadog** authentication and dynamic token reconfiguration
- Improved dashboards and client-facing portals to visualize threat intelligence and log analysis for **150+** users

### Manulife | Software Engineer

May 2023 – August 2023

- Integrated bar, line, and pie charts in **React** for **300+** components and ensured cross-platform compatibility with **Tailwind**
- Optimized performance of core user workflows by reducing page load time by **35%** using code-splitting and lazy loading
- Developed **40+** automated test suites using **Jest**, achieving **100%** code coverage to enhance quality assurance

### Smartnet | Software Engineer

June 2022 – August 2022

- Developed a graph algorithm in **Python** for solving **NP-Hard** problems such as TSP and VRP
- Integrated address validation for **100s** of addresses to render them on Google Maps using **Django**

## PROJECTS

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### Monopoly | Python, Django, PostgreSQL, Redis

- Created a Monopoly game in **Python** with WebSocket communication to ensure real-time synchronization

### C Compiler | C++, MIPS Assembly

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

### Chess | C++, X11

- Developed a chess game with CLI and graphical displays with a human gameplay and varying difficulties of computers

### Fitness Chatbot | Javascript, HTML, CSS

- Integrated the **OpenAI API** with secure **HTTPS** protocols, to devise an AI chatbot with personal trainer personality

### Design Project | Python, C++, Arduino

- Automated image processing whiteboard plotter built from scratch using Arduino, stepper motors, and timing belts

## EDUCATION

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*Bachelor of Computer Science, University of Waterloo*

- Courses: Data Structures & Algorithms, Operating Systems, OOP, Computer Architecture, Database Management
- **\$12,000 Annual Scholarship of Distinction**