




# Abdul Rafay Khurram

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## Relevant Experience

### Software Developer

Vancouver, BC, Canada

UBC Emerging Media Lab

Sept. 2024 – Present

- Leading a team in the development of a VR application using Unreal Engine to enhance nursing education, focusing on interactive clinical simulations and AI technologies.
- Reduced backend infrastructure costs by 90% through optimization of the AI system on the DXL server.
- Developing a secondary AI layer to monitor and re-prompt AI responses, aiming to improve system robustness, increase scalability, and reduce development time.
- Driving prompt engineering efforts to enhance the reliability and efficiency of AI-based outputs.

### Software Engineer

Maryland, USA

Faaz Consulting

May – Sept. 2023

- Led the development of client applications in Java and Python, improving UI responsiveness by 30%.
- Enhanced legacy systems with new UI features using Vue.js and JavaScript, increasing user engagement by 15%.
- Automated DevOps processes with Jenkins and Docker, reducing deployment times by 20%.
- Delivered software enhancements for enterprise clients, adhering to strict deadlines and project specifications.

### Marketing Intern

Dubai, UAE

Codebase Technologies

June – August 2022

- Collaborated with marketing and sales to deepen Fintech knowledge in SaaS, BaaS, and APIs, shaping product direction for a 20+ member team, improving sales by 15%.
- Contributed to 3 key project proposals, driving the company's tech strategy in cloud and banking technologies, leading to a 10% increase in customer engagement.

### Founder & Sole Manager

Delaware, USA

KASE Trading LLC

Jan. 2021 – April 2023

- Boosted efficiency by optimizing product and supplier algorithms, leading to a 40% increase in sales.
- Managed financial models and IP, ensuring cost-effective operations and rapid growth in a tech-driven marketplace.

## Relevant Technical Projects

### Constructify

Personal Project

May 2024 – Present

- Built an A-Z home-building platform with transparent project tracking and a service provider marketplace, targeting aspiring homeowners and construction firms.
- Developed a responsive frontend using Vue.js and Vite, optimizing load times and performance, with plans to use Django for the backend to handle scalable data management.
- Designed an intuitive UI/UX through targeted user research and iterative testing, leading to a 25% reduction in user onboarding time.

### Real Estate Management Platform

Academic Project

July – August 2023

- Developed a platform for seamless real estate transactions and property management, integrating service providers like inspectors and contractors.
- Designed and implemented a SQL database with OracleDB to model classes, utilizing ISA relationships for efficient querying and data manipulation.
- Created and managed API endpoints with Express.js, ensuring asynchronous processing to handle multi-user requests and streamline property listing management.

## Skills

**Languages:** Java, Python, JavaScript, TypeScript, C/C++, C#, SQL, HTML/CSS, Node.js | **Frameworks:** React.js, Vue.js, Express.js, Django | **Tools:** Git, OracleDB, MySQL, JUnit, RDBMS | **Testing:** Unit, Integration, End-to-End, Smoke, A/B

## Education

The University of British Columbia (BSc in Computer Science - Expected Graduation: 2026)

Vancouver, BC

UBC Science Co-op



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