

# SURYANSH KHRANGER

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## PROFESSIONAL SUMMARY

Learning and results-driven Computer Science student currently enrolled in a full-time Bachelor's program at the University of Alberta, with a strong foundation in computer science fundamentals, including data structures and algorithms (DSA), and a proven track record in object-oriented programming. Passionate about applying engineering principles to solve complex problems through sound and creative engineering. Eager to contribute expertise in front-end and back-end development, including designing APIs and working with microservices, as well as Platform/DevOps concepts like containers, Kubernetes, and CI/CD. Adept at time management and completing software projects in a cooperative team environment, consistently seeking feedback and applying internal or industry best practices to improve technical solutions.

## TECHNICAL SKILLS

**Programming Languages:** Java, C#, Python, C++, GoLang, C, Kotlin, TypeScript, JavaScript (ES5/ES6), ReactJS, NextJS  
**Development Tools & Technologies:** Git, GitHub, Angular CLI, Docker, Kubernetes, AWS, Bootstrap, Webpack, LESS, SASS  
**Software Development:** Client-Side Architecture & Design Patterns, Designing APIs, Multi-threaded Programming, DSA  
**Infrastructure:** Amazon Web Services (AWS), CI/CD Pipelines, Microservices, Infrastructure Services, Jenkins, Containers  
**Testing & Debugging:** JUnit, PyTest, Selenium, Automated Testing Frameworks, Observability, Debugging  
**Version Control & DevOps:** Git, GitHub, JIRA, Jenkins, DevOps Practices  
**Methodologies:** Agile, Scrum, DevOps Practices

## PROFESSIONAL EXPERIENCE

### NUTRIVISION INC., Edmonton, AB Canada

**Backend Development Lead & Software Developer** | March 2023 – January 2025

- Applied **engineering principles to solve complex problems** by designing, developing, and launching backend systems using **Golang**, demonstrating sound and creative engineering **for scalable, high-performance applications**.
- Built and maintained **microservices and infrastructure services**; expertly **designing APIs** for integration with **front-end UI** using **TypeScript** and modern frameworks (e.g., **React**), ensuring strong fundamentals and accessibility awareness.
- Spearheaded **Platform/DevOps** initiatives, deploying **containers** with **Docker and Kubernetes on AWS**, implementing robust **CI/CD pipelines** to enhance **availability, reliability, and efficiency**.
- Proactively reviewed current developments and **sought new knowledge** to incorporate **observability**, and improve **performance** of products, driving **consistency in monitoring and operations at scale**.
- Collaborated with **stakeholders** to determine **user requirements**, exhibiting strong **time management**.

### UNIVERSITY OF ALBERTA (Academic Projects), Edmonton, AB Canada

**Secure Distributed File System** | Python, Flask

- Engineered a fault-tolerant **distributed system** in **Python**, applying **computer science fundamentals** and **DSA** concepts, to solve complex security challenges through **sound and creative engineering**.
- Designed and implemented **concurrent programming** mechanisms within this infrastructure service to optimize performance and ensure high **reliability under varied network conditions**.
- Demonstrated skill in **time management** and **completing projects within a cooperative team environment, utilizing Git/GitHub and agile methodologies** to simulate industry best practices.
- Proactively **sought feedback** and incorporated new **engineering methods** to **improve technical solutions**, showing a strong ability to quickly learn and adapt.

## CERTIFICATIONS

**Leaders in Training Program** | August 2019

Developed project management and leadership capabilities through hands-on youth-leadership initiative team projects  
Gained expertise in organizational leadership and security compliance protocols

**Certification of Competency in Business Analysis (CCBA)** | January 2024

**Facilitated Requirements Gathering:** Led workshops to elicit and document business requirements, ensuring alignment with organizational objectives.

**Monitored Key Performance Indicators:** Established and tracked KPIs to measure project success and inform continuous improvement initiatives.

**Project Management Professional (PMP)** | August 2024

**Led Cross-Functional Teams:** Directed diverse project teams, ensuring collaboration and punctuality of project milestones.

**Stakeholder Communication:** Established efficient stakeholder communication channels, improving client satisfaction.

## EDUCATION

**UNIVERSITY OF ALBERTA**, Edmonton, AB Canada

Bachelor of Science in Computing Science

4 Year Degree Program

Specialization in Software Development and System Architecture

Relevant Coursework: Advanced Software Engineering, Security Systems, Database Management, Algorithm Design