

KARIM KHALIL

Kelowna, BC | +12505752482 | Karim102@student.ubc.ca | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of British Columbia – B.Sc. Computer Science & Data Science Co-op student (Honours) 05/2026

- *GPA:* 4.2/4.33 (A in 26/30 courses)
- *Awards:* Dean's List 2022-2024 and International Student Faculty Award

EXPERIENCE

Software Developer Student | University of British Columbia, Kelowna, Canada 05/2024 - Present

- **Spearheading** development of a web app using **D3.js, Flask, and PostgreSQL** to visualize patterns and enhance data exploration
- **Mentoring** junior developers, fostering a collaborative **Agile** environment
- **Implemented** robust testing strategies using **Jest**, reducing bug-related downtimes by **40%** and ensuring reliable code deployment
- **Enhanced** project agility using **Kanban** and **GitHub** Actions, reducing deployment time and code review turnaround by 50%

Residence Advisor | University of British Columbia, Kelowna, Canada 09/2023 – 04/2024

- **Managed** and **supported 50+** students, fostering a safe, inclusive environment, reducing incident costs by **20%**
- **Organized 10+** events per semester, enhancing engagement and well-being within a **\$5,000** budget

Software Engineer Intern | EMAAR, Dubai 05/2023 – 08/2023

- **Enhanced** and reconstructed platform UI/UX using **React.js, Bootstrap, and MySQL** to optimize the booking process by **40%**
- **Wrote** secure and efficient code in **ASP.NET MVC and C#**, incorporating complex **SQL** queries to enhance backend operations
- **Utilized Scrum** methodology to track progress and ensure timely delivery of features

Front-End Developer Intern | IPMagix, Dubai 05/2022 – 08/2022

- **Engineered** a Sponsor Management System using **Vue.js, Quasar, and Axios** for data visualization, editing, and deletion
- **Streamlined** API calls, resolved complex challenges, and ensured code reliability with automated **unit testing**
- **Led** engineering and training for Davinci **OpenAI chatbot**, achieving **99%** accuracy in extracting specific information

PROJECTS & LEADERSHIP EXPERIENCE

E-Learning Platform | **React.js, MongoDB, Node.js, Express.js, Design patterns, Jest, Git** 05/2024

- Integrated MongoDB and Node.js to enhance platform reliability by **30%** and designed responsive UI with React Bootstrap
- Developed RESTful APIs with Express.js and utilized GitHub Actions for streamlined deployment
- Conducted automated unit testing with Jest, optimizing workflow with Agile Scrum and Git integration
- Developed real-time analytics and AI-generated practice questions, increasing learning engagement and personalization by **50%**

Shelter Finder | **Java, Android Studio, UI/UX, RESTful API, Google Maps** 12/2023

- Developed an Android app in Java for posting and finding shelter listings for wildfire victims, enhancing accessibility
- Implemented real-time data synchronization and search functionality, improving user experience and efficiency by **99%**
- Integrated Google Maps API for geolocation features, ensuring accurate and convenient navigation to shelters

Swift Shopper (Amazon clone) | **XML, Java, SQL, JDBC, AWS, Docker** 12/2023

- Developed an online store, like Amazon, using Java, SQL, and Docker for scalable and robust functionality
- Designed database schema with UML and SQL for efficient product, user, and transaction management
- Constructed an admin dashboard with encrypted authentication and SQL-driven analytics for in-depth e-commerce insights

TECHNICAL SKILLS

- **Programming Languages:** Java, C#, Python, SQL, JavaScript, TypeScript, HTML5, CSS, XML
- **Frameworks:** React.js, D3.js, Next.js, Vue.js, Node.js, Express.js, Flask, Django, Jest, Flutter, Tailwind CSS, ASP.NET MVC
- **Tools:** Visual Studio, AWS, MySQL, MongoDB, PostgreSQL, Git, Docker, Jest, CI/CD pipelines, SDLC, MS Office, Kubernetes
- **Skills:** Data Structures & Algorithms, Leadership, Attention to Detail, Communication, Problem-Solving, Interpersonal Skills