

# Mazen Kotb

## EDUCATION

### University of British Columbia (BA) - Vancouver, Canada

September 2019 - Present

- ❖ Major: **Computer Science**
- ❖ Grades: **90%** Average, **96%** Computer Science Average
- ❖ **Trek Excellence Scholarship**

### Pinetree Secondary - Coquitlam, Canada

September 2015 - June 2019

- ❖ Honour Roll: Top **5%** of Students
- ❖ **94%** Average - **BC Excellence Scholarship**
- ❖ Hosting/MCing at school events and conferences to groups of up to **400** people
- ❖ Selected as student representative to high-level government officials (e.g. Justin Trudeau) and celebrities

## WORK EXPERIENCE

### Zync Consultations LLC — Software Engineer

July 2017- Present (Remote - Full-time / Part-time)

- ❖ Developed software projects for clients ranging from small businesses to Fortune 500 companies
- ❖ Work alongside clients to create the product and user experience they envisioned; provided support, project management, and developed products directly as a consultant.
- ❖ Co-designed an in-house project which synchronizes the clipboard across all devices (Android, PC, macOS, Chrome OS)
- ❖ Developed cross-platform applications using React Native

### FrozenOrb — Software Engineer

June 2016 - September 2018 (Remote - Part-time)

- ❖ Performed QA to improve code quality and performance for algorithms by up to **40%**
- ❖ Used Vert.X and Java to build a coordinator/worker system for game queuing
- ❖ Implemented horizontal scaling by creating a cloud infrastructure program for managing players and servers across networks

## SKILLS

- ❖ **Programming Languages** such as Java, Kotlin, JavaScript, TypeScript, Python, and Swift
- ❖ **Utilities** such as Git, Maven, SSH, Docker, Puppet, Ansible, Jenkins
- ❖ **Databases and MQs** such as MongoDB, Redis, MySQL, Apache Kafka, RabbitMQ
- ❖ **Mobile & Web Development**
- ❖ **Web Extension Development**
- ❖ **Networking and Encryption**
- ❖ **Linux System Administration**
- ❖ **Public Speaking**

## PROJECTS

### jTelegram

February 2017 - Present  
([github.com/jTelegram](https://github.com/jTelegram))

- ❖ Java API Wrapper for popular messenger's bot API
- ❖ Object oriented approach for an intuitive experience to creating a bot

### TridentSDK

July 2014 - September 2016  
([github.com/TridentSDK](https://github.com/TridentSDK))

- ❖ Managed a team of 6 to design and develop a multi-threaded game server for Minecraft
- ❖ Used Java's Concurrency Library and Netty
- ❖ Focused on efficiency, testing, and thread safety