

Arham Riaz

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EXPERIENCE

Software Developer

Jun. 2025 – Present

Bridge Wireless Solutions

Oakville, Ontario (Hybrid)

- Engineered core full-stack features using **TypeScript**, **React**, and **Kotlin** for an AWS-deployed mobile application, supporting scalable deployment and reliable data storage through **Amplify**, **Lambda**, **S3**, and **DynamoDB**, while enforcing secure access via IAM roles and least-privilege policies.
- Built a customer-facing device buyback widget using **React** and **TypeScript**, integrating with existing buyback infrastructure and backend APIs to streamline the user experience and increase device buybacks by **20%**.
- Administered and supported the company's ERP system by managing and optimizing **S3** storage and **EC2** usage, monitoring resource utilization with **CloudWatch**, and reducing monthly AWS infrastructure costs by **15%**.
- Designed and implemented RESTful APIs alongside engineering teams from Samsung and Bell, using AWS API Gateway to define endpoints and integration requirements that enabled cross-system communication.
- Optimized and restructured **Microsoft SQL Server** stored procedures to improve **Power BI** integrations, reducing query times by **40%**, significantly boosting reporting accuracy and refresh speed.

Full Stack Software Developer Co-op

Sep. 2022 – Aug. 2023

Ross Video

Ottawa, Ontario (Remote)

- Developed a dashboard web app using **TypeScript**, **React** and **Redux** aimed at creating comprehensive KPIs associated with product progress, integrating JIRA and Jenkins APIs, reducing manual workload by **70%**.
- Built back-end services using **Node.js** and implemented optimized database models with **Prisma** and **PostgreSQL**, improving system scalability and improving database query performance by **30%**.
- Enhanced existing web pages with **React** and **TypeScript**, creating dynamic, responsive interfaces that improved maintainability and page performance, resulting in a smoother user experience and reduced load times.
- Maintained a **CI/CD** pipeline with Jenkins, streamlining software integration from multiple developers, automating deployment, and decreasing lead time by **50%** to ensure continuous delivery.
- Created unit tests following **Test Driven Development** principles to ensure code reliability and maintainability.
- Led code reviews and worked with team members to troubleshoot, debug and optimize code.

Teaching Assistant – Software Quality Assurance

Sep. 2024 – Dec. 2024

Carleton University

Ottawa, Ontario

- Held weekly office hours to provide guidance to students in using relevant frameworks and programs including **JUnit**, **Spring Boot**, **Selenium** and **Cucumber**, reinforcing best practices in automated testing.
- Assisted students in troubleshooting and debugging code, helping them to understand Test Driven Development and Behavioral Driven Development concepts and implementations, improving their code quality.
- Graded and provided detailed constructive feedback on 3 assignments to over 100 students, evaluating students' understanding of key course concepts.

PROJECTS

Cloud Hosted Site: Album Tracking Web App

album-tracker.com

- Developed a web application for tracking and managing music albums built with a focus on modern web development and cloud services, utilizing the Discogs API and Google OAuth 2.0.
- Tools used: React, JavaScript, Node.js, AWS (DynamoDB, Amplify, Lambda), Cloudflare
- Skills used: REST API's, Serverless architecture, CI/CD, NoSQL, Cloud hosting, Database management

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Java, Kotlin, C/C++, SQL, HTML, CSS

Frameworks & Libraries: React, Redux, Node.js, NestJS, JUnit, Spring Boot, PyTorch, Gymnasium, Git

Tools and Databases: Selenium, PostgreSQL, Microsoft SQL Server, MySQL, Prisma, AWS (Lambda, DynamoDB, Amplify, EC2)

EDUCATION

Carleton University

Sep. 2019 – Dec 2024

Bachelor of Computer Science Co-op Honours

Ottawa, Ontario