

# Arham Riaz

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## EXPERIENCE

<b>Software Developer</b> <i>Bridge Wireless Solutions</i>	Jun. 2025 – Present Oakville, Ontario (Hybrid)
<ul style="list-style-type: none"><li>Engineered core full-stack features using <b>TypeScript</b>, <b>React</b>, and <b>Kotlin</b> for an AWS-deployed mobile application, supporting scalable deployment and reliable data storage through <b>Amplify</b>, <b>Lambda</b>, <b>S3</b>, and <b>DynamoDB</b>, while enforcing secure access via IAM roles and least-privilege policies.</li><li>Built a customer-facing device buyback widget using <b>React</b> and <b>TypeScript</b>, integrating with existing buyback infrastructure and backend APIs to streamline the user experience and increase device buybacks by <b>20%</b>.</li><li>Administered and supported the company's ERP system by managing and optimizing <b>S3</b> storage and <b>EC2</b> usage, monitoring resource utilization with <b>CloudWatch</b>, and reducing monthly AWS infrastructure costs by <b>15%</b>.</li><li>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.</li><li>Optimized and restructured <b>Microsoft SQL Server</b> stored procedures to improve <b>Power BI</b> integrations, reducing query times by <b>40%</b>, significantly boosting reporting accuracy and refresh speed.</li></ul>	
<b>Full Stack Software Developer Co-op</b> <i>Ross Video</i>	Sep. 2022 – Aug. 2023 Ottawa, Ontario (Remote)
<ul style="list-style-type: none"><li>Developed a dashboard web app using <b>TypeScript</b>, <b>React</b> and <b>Redux</b> aimed at creating comprehensive KPIs associated with product progress, integrating JIRA and Jenkins APIs, reducing manual workload by <b>70%</b>.</li><li>Built back-end services using <b>Node.js</b> and implemented optimized database models with <b>Prisma</b> and <b>PostgreSQL</b>, improving system scalability and improving database query performance by <b>30%</b>.</li><li>Enhanced existing web pages with <b>React</b> and <b>TypeScript</b>, creating dynamic, responsive interfaces that improved maintainability and page performance, resulting in a smoother user experience and reduced load times.</li><li>Maintained a <b>CI/CD</b> pipeline with Jenkins, streamlining software integration from multiple developers, automating deployment, and decreasing lead time by <b>50%</b> to ensure continuous delivery.</li><li>Created unit tests following <b>Test Driven Development</b> principles to ensure code reliability and maintainability.</li><li>Led code reviews and worked with team members to troubleshoot, debug and optimize code.</li></ul>	
<b>Teaching Assistant – Software Quality Assurance</b> <i>Carleton University</i>	Sep. 2024 – Dec. 2024 Ottawa, Ontario
<ul style="list-style-type: none"><li>Held weekly office hours to provide guidance to students in using relevant frameworks and programs including <b>JUnit</b>, <b>Spring Boot</b>, <b>Selenium</b> and <b>Cucumber</b>, reinforcing best practices in automated testing.</li><li>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.</li><li>Graded and provided detailed constructive feedback on 3 assignments to over 100 students, evaluating students' understanding of key course concepts.</li></ul>	

## PROJECTS

<b>Cloud Hosted Site: Album Tracking Web App</b>	<a href="http://album-tracker.com">album-tracker.com</a>
<ul style="list-style-type: none"><li>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.</li><li>Tools used: React, JavaScript, Node.js, AWS (DynamoDB, Amplify, Lambda), Cloudflare</li><li>Skills used: REST API's, Serverless architecture, CI/CD, NoSQL, Cloud hosting, Database management</li></ul>	

## TECHNICAL SKILLS

<b>Languages:</b> Python, TypeScript, JavaScript, Java, Kotlin, C/C++, SQL, HTML, CSS
<b>Frameworks &amp; Libraries:</b> React, Redux, Node.js, NestJS, JUnit, Spring Boot, PyTorch, Gymnasium, Git
<b>Tools and Databases:</b> Selenium, PostgreSQL, Microsoft SQL Server, MySQL, Prisma, AWS (Lambda, DynamoDB, Amplify, EC2)

## EDUCATION

<b>Carleton University</b> <i>Bachelor of Computer Science Co-op Honours</i>	Sep. 2019 – Dec 2024 Ottawa, Ontario
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