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Osman Warsi

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EDUCATION

Bachelors of Software Engineering (BEng)

Fall 2017 - May 2023

McGill University, Montreal, Canada

Artificial Intelligence, Data Structures And Algorithms | Web Developer for DataHomebase project under Prof. Naomi Keena | Member of Shared Reality Labs |

Pearson Edexcel IGCSEs

Fall 2015 - May 2017

Riyadh, Saudi Arabia

Recipient of Pearson Outstanding Award for academic excellence

WORK EXPERIENCE

Software Developer

September 2023 - Present

IBM

Toronto

- Delivered full-stack CMS platforms using Adobe Experience Manager (AEM), HTL, Java, and JavaScript for global enterprise clients, optimizing performance and maintainability.
- Architected and led development of scalable web features (Blogs, Feeds, Analytics) across 3 high-stakes projects; collaborated closely with UX, product, and engineering teams.
- Implemented features using Java, JavaScript, AI tools such as Cursor, delivering a major release 3 months ahead of schedule.
- Contributed 200+ GitHub PRs; enforced modular design, CI/CD best practices, and agile delivery with reusable components and code reviews.

Technologies: AEM, HTL, Java, JavaScript, Next.js, React, Git, CSS, Edge Delivery Services (EDS)

Software Developer Intern

May 2022 - Aug 2022

Citibank

Toronto

- Developed a secure, full-stack Java Spring Boot storage system for internal developer workflows, improving reliability and scalability across departments.
- Integrated SSO authentication via Apache Tomcat and LDAP, aligning with enterprise-level access control protocols.
- Deployed services using OpenShift ECS and Amazon ROSA, contributing to distributed, real-time backend systems in a finance environment. - Applied microservice patterns, REST APIs, and Git-based workflows in a regulated, production-grade cloud environment.

Technologies: Java Spring Boot, AngularJS, MongoDB, OpenShift ECS, Amazon ROSA, Bitbucket, Tomcat

Automated Test Developer Intern

Jan 2022 - May 2022

Intact Insurance

Montreal

- Automated and enhanced test pipelines using Selenium Grid and Katalon Studio, closing 100+ QA gaps across major product lines.
- Built scalable test cases in Java and Groovy for distributed systems running on Kubernetes.
- Collaborated with backend and DevOps teams to troubleshoot and performance-tune builds in a cloud-native CI/CD environment.

Technologies: Java, Groovy, Selenium, Katalon Studio, Kubernetes, Cucumber

Full Stack Developer Intern

Jan 2021 - Aug 2021

Unito

Montreal

- Built 3 major integrations (Microsoft Azure DevOps, Zoho Projects, Notion) for a \$20M Series B startup, serving thousands of customers.
- Designed and tested backend APIs in TypeScript and Node.js; implemented multithreaded job runners for real-time syncing pipelines.
- Improved system observability via DataDog and logs-based debugging, resolving production issues under tight deadlines.
- Collaborated cross-functionally with UX designers, product managers, and engineers in an agile development lifecycle. Technologies: TypeScript, Node.js, Swift, JavaScript, MongoDB, DataDog, Azure, Mocha

PROJECT

Founder of Usable Labs

January 2023 - Present

www.usablelabs.co

- Founded and operate a product engineering and design agency, building full-stack applications.
- Designed and delivered a real-time feedback platform called feedfeed (www.feedfeed.app)/
- Built a MacOS app called Rakho (www.rakho.app) which helps users keep thier Mac files organized.
- Cursor AI, Figma (UX Design and Prototyping), NextJS, Supabase

HCI UX Research Project

October 2023 - December 2023

Group Research Project / Human Computer Interaction under Prof. Jeremy Cooperstock

- Conducted qualitative and quantitative analysis of the industry-standard Life Cycle Analysis (LCA) tool to identify UX shortcomings.
- Led end-to-end UX testing: interviews, surveys, task completion metrics, and heuristic evaluations.
- Prototyped and implemented an improved LCA tool using ReactJS and Flask; presented findings and demo at OpenLCA Conference in Munich, Germany.
- ReactJS, Python Flask, Figma, UX Research, OpenLCA