

Zeyad Omran

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WORK EXPERIENCE

IBM

Markham, ON

Software Developer

June 2024 – Present

- Architected and led an AI assistant UI from proof of concept to production with five partner teams. Integrated React into Angular with streaming, persistent history, and guided forms.
- Built a RAG pipeline for 35 component-library documentation pages and exposed it via MCP to Bob (IBM's AI coding agent). Reduced development time by over 40%.
- Cut shared data table render time by 62%, from about 8 to 3 seconds at 50 rows, by parallelizing asynchronous rendering across widgets and layouts.
- Architected a reusable TanStack Table component with selection, column controls, and embedded workflows. Enabled migration from the legacy table through one configuration change.
- Reduced Angular monorepo bundle size by 35% through lazy loading and standalone components that loaded only required UI code.
- Delivered 50+ product stories in the first half of 2026 using Bob, reducing average development time by over 50%.
- Standardized AI coding-agent guidance across two repositories. Built automated first-pass code reviews and hosted monthly knowledge-sharing sessions.
- Delivered major features with 81% to 93% new-code coverage and paired end-to-end tests. Completed the first half of 2026 with zero task reopens.
- Mentored five engineers through onboarding, pair programming, story breakdown, and code reviews.

Front-End Developer Intern

May 2022 – May 2024

- Delivered six climate-risk views with configurable dashboards and widgets for location analysis, asset exploration, financial-risk reporting, and exports.
- Automated GraphQL widget migration with Node.js across four dashboards and related detail pages, replacing inline queries with resource-based configurations.
- Moved dashboard string interpolation off the main thread with Web Workers and RxJS. Achieved over 80% unit-test coverage on the asynchronous path.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, SQL, HTML/CSS

Front-End: React, Angular, Next.js, NgRx, Redux, TanStack Table, Tailwind CSS, Carbon Design System, Storybook, Jest, React Testing Library, Cypress, Playwright

Back-End: Node.js, REST APIs, GraphQL, Spring Boot, PostgreSQL, Redis

CI/CD & Quality: Git, Jenkins, SonarQube, Docker, Kubernetes, OpenShift, Webpack, Vite, Artifactory

AI Tools: Bob, Codex, Claude Code, Model Context Protocol (MCP), RAG

EDUCATION

University of Calgary

Calgary, AB

Bachelor of Science in Computer Science with Internship Program

September 2019 – June 2024

- Concentration in Human-Computer Interaction