

# MICHAEL BREITKREUTZ

## Frontend Developer

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Collaborative and creative software engineer with 7 years of experience (including 4 years in frontend development). Skilled in building modern, responsive, and accessible single-page applications using Angular, React, and TypeScript. Experienced in automated testing (unit, integration, and E2E), continuous integration, and collaborating in multidisciplinary product teams.

## SKILLS

**Languages & Markup:** TypeScript, JavaScript, Python, HTML5, CSS3, SCSS, Java (familiar)

**Frameworks & Libraries:** Angular, RxJS, React, Angular Material, Tailwind, Ionic, NgRx, Redux

**Testing & Automation:** Jasmine, Jest, Vitest, Cypress, Selenium, BrowserStack

**Tooling & CI/CD:** Figma, Git, GitLab CI, GCP, AWS

**Best Practices:** UX, Accessibility, Agile/Scrum, Mentoring, Design systems

## PROFESSIONAL EXPERIENCE

### Frontend Developer – Carbeeza

2021 – 2025

- Build and maintain modern Angular and Ionic single-page applications for SaaS platforms
- Deliver 50+ reusable Angular components to accelerate feature delivery and support high-quality UX
- Optimize application state, fixing re-render loops and improving load speed by 67%
- Enforce unit and integration tests (Vitest, Jest) to improve quality and reliability
- Standardize continuous integration (GitLab CI) pipelines, cutting failed peer reviews by 25%
- Collaborate with designers, product owners, and backend engineers in Scrum-based teams

### Python Developer – Carbeeza

2018 – 2021

- Developed a Python-based ETL pipeline to process 20,000+ daily inventory records on GCP
- Built and maintained a Selenium web scraper that ran daily (4+ years) with robust error handling
- Integrated 10+ third-party providers and paired with junior developers on data pipeline systems

## PROJECTS

### FindMyBike – Personal Project

May 2025 – Present

- Responsive Angular 19 app for searching lost and stolen bikes via the Bike Index API
- Built with TypeScript, RxJS, SCSS, Angular Material, and tested with Jasmine and Cypress.

## EDUCATION

### Bachelor of Science (B.Sc.), Electrical Engineering

2010 – 2014

University of Alberta

4.0 GPA (A+)