Can ("John") Aygin

[Portfolio](#) | [GitHub](#) | [LinkedIn](#) | canaygin56@gmail.com | +1 (236) 777-3491

Professional Summary

Full-stack software engineer with 4+ years of commercial experience building scalable web applications and micro-frontend architectures. Currently developing enterprise Angular applications with modern testing practices. Proven track record delivering React and Angular applications in enterprise environments, with expertise in TypeScript, frontend frameworks, and end-to-end testing automation.

Technical Skills

Frontend: Angular (v9-19), React, TypeScript, JavaScript, HTML/CSS, Bootstrap, Svelte
Backend: Node.js, Go, Python, RESTful APIs, Swagger/OpenAPI
Database: MongoDB, PostgreSQL, MySQL
Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, Jenkins
Tools: Git/GitHub, Jest, Vitest, ESLint, Figma, Jira, SonarQube, Selenium

Professional Experience

Front End Developer | Independent Consultant

April 2024 – Present

Select Consulting Engagements:

Ziro *| Established enterprise software company | August 2024 – October 2024*

- *Developed enterprise Angular 19 applications with Bootstrap for responsive UI components*

- *Implemented end-to-end testing strategies using Selenium to ensure application reliability*

- *Collaborated with backend Java developers to integrate frontend applications with RESTful APIs*

Technologies: Angular, TypeScript, Bootstrap, Tailwind, Selenium, Node.js, HTML/CSS

University of British Columbia (UBC) Research Department *| Academic institution | October 2024 – December 2024*

- *Developed mobile-first web application for research study tracking video engagement and viral sharing patterns*
- *Implemented comprehensive analytics capturing user interactions including watch time, pause frequency, mute events, and unique link-based sharing metrics for viral behavior analysis*
- *Built real-time data collection system using Firebase and YouTube API with responsive UI design*

Technologies: Svelte, Firebase, YouTube API, Tailwind, Browser APIs

Various Small Business & Startup Clients *| April 2024 – August 2024*

- *Built responsive web applications using React, Angular and Svelte for diverse client needs including landing pages, authentication systems, and data-driven dashboard interfaces*

- *Developed custom UI components such as reusable form controls, data grids, sortable tables, and navigation systems, implementing client-side state management using localStorage and IndexedDB for offline-first functionality*

- *Delivered projects with focus on performance optimization, WCAG accessibility compliance, cross-browser compatibility, and modern component-based architecture patterns*

Technologies: Angular, React, Svelte, TypeScript, Bootstrap, Tailwind, Selenium, Node.js, HTML/CSS

Software Engineer | Cisco Systems

August 2021 – April 2024

• **Architected micro-frontend system** using React web components, enabling 5+ development teams to deploy UI modules independently and reducing deployment conflicts by 80%

• **Delivered 15+ Angular UI components** from design mockups to production, serving 10,000+ internal users across enterprise tooling platforms

• **Automated deployment processes** by building Node.js scripts that reduced manual deployment time from 2 hours to 15 minutes per release

• **Led Java-to-Go migration** for 3 critical microservices using TDD methodology, improving performance by 40% and reducing memory usage by 60% while maintaining 100% test coverage and API compatibility

• **Maintained and debugged Go microservices architecture**, resolving 25+ production issues across distributed services and ensuring 99.9% uptime through comprehensive unit and integration testing

• **Integrated 8+ microservice APIs** using Swagger/OpenAPI specifications, ensuring consistent data flow across distributed systems

• **Championed test-driven development practices**, writing extensive unit and integration test suites in Jest, Python, and Go, achieving 90%+ test coverage on critical features

• **Led technical demos** in agile ceremonies, presenting new features to stakeholders and gathering feedback for iterative improvements

• **Developed XML/JSON editors** using CodeMirror libraries, streamlining configuration management for internal tools

Technologies: React, Angular, TypeScript, Node.js, Go, Python, Docker, Kubernetes, AWS

Full Stack Developer (Internship) | Vinple Inc.

February 2019 – July 2019 Bootstrap Startup

• **Built cross-platform mobile application** using React Native, achieving feature parity between iOS and Android platforms

• **Developed core web application features** in React with MongoDB backend, supporting user authentication and data management

• **Delivered bug fixes and feature enhancements** in fast-paced startup environment, contributing to 20% improvement in user engagement

Technologies: React, React Native, MongoDB, Go, HTML/CSS

Notable Projects

Sudokusu - Sudoku Game Platform

[Live Demo](#)

• Built responsive web-based Sudoku game with clean UI/UX design

- Implemented complex game logic with difficulty levels and hint systems

- *Technologies: SvelteKit, TypeScript, responsive CSS*

MyStuff - Personal Organization PWA

[Live Demo](#)

- Created offline-capable single-page application with service worker implementation

- Designed for personal productivity with markdown support and local storage

- *Technologies: Svelte, TypeScript, Service Workers, PWA*

QFM - Mentorship Platform (Capstone)

[Demo](#)

- Led team development of PWA for mentor-mentee matching system

- Implemented user authentication, matching algorithms, and real-time messaging

- *Technologies: Angular, PWA, Firebase*

Education

Bachelor of Science, Computer Engineering
Izmir University of Economics | Graduated June 2018