

# Can ("John") Aygin

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## 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, HTML/CSS, Bootstrap, TypeScript, JavaScript, 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 2025 – October 2025

- 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
- Built complex Angular directives, services, and component architecture for a monorepo project

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 2025

- 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

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