

# Ali Khalili

Senior Frontend / Platform Engineer · Edge Infrastructure · Micro-Frontend Architecture

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## PROFILE

Senior Frontend / Platform Engineer with 7+ years delivering scalable web platforms across distributed engineering teams in Australia, Malaysia, and India. Specialised in micro-frontend architecture, Angular, TypeScript, and edge infrastructure. Azure (AZ-900, AZ-104) and Terraform certified. Known for taking ownership of complex technical migrations, driving architectural decisions independently, and delivering measurable improvements in deployment speed, security, and platform reliability.

## SKILLS

### Frontend

- Angular, TypeScript, JavaScript (ES6+)
- RxJS, HTML5, CSS3, SASS/LESS, Tailwind
- Micro-frontends, single-spa, import maps
- Responsive UI & accessibility (WCAG)
- Figma implementation
- Jest, Jasmine, Playwright

### Cloud & Edge Infrastructure

- Cloudflare Workers (TypeScript), wrangler
- Edge routing, CORS, security headers
- OAuth2 M2M token injection at edge
- Azure (AZ-900, AZ-104 certified)
- Terraform Associate (certified)
- Kubernetes, Helm, Docker

### Tools & Methods

- GitHub Actions, CI/CD pipelines, YAML
- Git: GitHub, GitLab, Bitbucket
- Node.js, Express.js, Next.js
- REST APIs, WebSockets
- Agile: Scrum / Kanban
- AI-assisted dev: Copilot, Claude

## EXPERIENCE

### Senior Frontend Engineer (Platform & Edge Infrastructure) · Pickles Auctions, Australia

Sept 2020 – Present

One of Australia's largest auction platforms. Building and maintaining enterprise-scale Angular micro-frontend applications across multiple engineering teams.

#### ► Cloudflare Edge Migration — Platform Initiative (2025)

- Independently designed and led full migration of a multi-SPA micro-frontend platform from containerised Nginx to Cloudflare Workers — covering multiple shell apps and SPAs across 5 environments (local, dev, test, UAT, production)
- Reduced frontend deployment from ~5–10 min (Docker build → Helm → K8s rollout) to under 30 seconds; achieved atomic, instantly reversible deployments
- Built an edge-layer API proxy with machine-to-machine OAuth2 token injection — eliminated browser-exposed credentials entirely, going beyond original project scope
- Replaced 8+ per-environment Nginx YAML configs (K8s ConfigMaps via Helm) with a single unified config file per app — ~80% reduction in environment configuration overhead
- Hardened CORS across all SPAs: replaced wildcard Access-Control-Allow-Origin headers with an explicit origin allowlist supporting credentialed requests
- Independently diagnosed and resolved two undocumented silent failures specific to the Cloudflare Workers runtime — a rare Angular URL encoding edge case and an import map delivery failure — with no existing documentation to reference
- Introduced Cloudflare Workers Observability (distributed tracing + structured logging) where prior Nginx setup had zero request-level visibility

## Core responsibilities

- Build and maintain Angular apps within a multi-SPA micro-frontend architecture (single-spa, import maps, import-map-injector)
- Develop reusable UI components and shared libraries to standardise design across business domains
- Translate Figma designs into pixel-perfect, WCAG-compliant, responsive interfaces
- Contribute to CI/CD workflows (GitHub Actions, YAML pipelines); support UAT and production deployments
- Collaborate with backend (Node.js), QA, UX, and DevOps; support hexagonal architecture and microservices integration
- Accelerated migration velocity and reduced debugging time using GitHub Copilot and Claude — most effective in novel, poorly-documented runtime environments where traditional references were insufficient

### Freelance Frontend Developer · Cathrin Group · Startup (Remote)

Mar 2019 – Aug 2020

- Improved UI structure and visual consistency across internal web applications; built reusable components to reduce maintenance overhead
- Delivered features independently and remotely, collaborating with stakeholders across time zones to meet deadlines

### Web Developer · Siren Web Design

2017 – Feb 2019

- Built and maintained client-facing web and e-commerce interfaces; developed reusable UI elements across multiple projects
- Improved responsiveness, cross-browser compatibility, and front-end performance on all delivered sites

### Junior Web Developer · Freelance & Part-Time Projects

2014 – 2016

- Built foundational web projects in HTML, CSS, and JavaScript; developed core UI, client communication, and requirement-gathering skills

## CERTIFICATIONS

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Microsoft Azure Administrator (AZ-104)  
Microsoft Azure Fundamentals (AZ-900)

HashiCorp Terraform Associate (002)

## EDUCATION

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B.Sc. Computer Engineering · Islamic Azad University, Shiraz

Jan 2014 – Sept 2018

## LANGUAGES

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Languages: English (Professional working proficiency) · Persian (Native)