Aamir Mukaram

Senior Angular Engineer

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I upgrade, speed up and scale Angular applications, from AngularJS migrations to design systems in Nx monorepos. Eleven years of frontend work at product companies like Motive and Craftnote and with remote clients in the US, UK and Canada. Based in Berlin.

EXPERIENCE

Senior Angular Engineer, SWARCO

Sep 2024 – Present · Berlin

- Owned the Intersection Plan in SWARCO MyCity, an OpenLayers map editor that shows live and replayed signal, detector and device states on top of an intersection drawing. Rebuilt it as a standalone Nx library and micro-frontend with its own NgRx store.
- Built CAD-style editing for it: rectangle and Shift multi-select, group move, scale and rotate, copy/paste, copy-format, undo/redo and keyboard shortcuts, covered by a Playwright end-to-end suite.
- Fixed a live-mode memory leak in the real-time signal plan diagram by capping streaming buffers, adding virtual scrolling and removing impure pipes and leaking timers and listeners.
- Planned and delivered the move of Intersection Plan and Traffic Network to Module Federation remotes with Helm charts, from the spike and epic to about 25 sequenced tickets.
- Made large traffic networks editable with client-side caching, lazy-loaded dropdowns, server-side sorting and fewer API calls, and built historical replay for nodes, links, sections and clusters.
- Led the Angular and Nx upgrades to v20 and moved code to standalone components, signals, OnPush and the new control flow. Handled 12 production incidents, most of them reported by customers.

Angular, TypeScript, NgRx, RxJS, Nx, Module Federation, OpenLayers, PrimeNG, Playwright

Web Frontend Engineer, Craftnote

Oct 2020 – Sep 2023 · Berlin

- Built the shared component library and design tokens, documented in Storybook, and moved the web app into an Nx monorepo.
- Replaced Bootstrap with Angular Material across the app.
- Shipped paywalls, A/B-tested releases via Firebase Remote Config, and BigQuery reporting for product decisions.
- Delivered global search, in-app notifications, task and time-tracking dashboards, and German/English i18n with Phrase.
- Set up Sentry monitoring and triage to improve reliability.

Angular, NgRx, Nx, Angular Material, Storybook, Firebase, BigQuery

Web Frontend Engineer, EQS Group

Jan 2020 – Jun 2020 · Munich

- Rewrote the core of the mailing module with GraphQL, improving performance and reliability.
- Integrated Keycloak authentication and redesigned the token screen in the login flow.

Angular, GraphQL, Keycloak

Web Frontend Engineer, KeepTruckin (Motive)

Aug 2017 – Nov 2019 · Islamabad

- Built the video monitoring feature for the AI dashcam from scratch.
- Designed and developed reporting for fleet managers.
- Wrote unit and integration tests for the web application.

Angular, TypeScript, JavaScript, CSS3

Web Frontend Engineer, Arbisoft

Jul 2015 – Aug 2017 · Lahore

- Took ListenTool, a real-time employee feedback platform, from inception to production rollout over two years.
- Built reusable AngularJS 1.5 components and React/Redux applications.

AngularJS, Angular, React, Redux

Remote Frontend Engineer (part-time), Clients in Canada, the UK and the USA

Jun 2015 – Apr 2017 · Remote

- Built AngularJS front ends remotely for Brockport Home Systems (Canada), Flintx Systems (UK) and Mobspark (USA), alongside my full-time role.
- Delivered an operations dashboard for a hospitality group and an advertiser web app for a mobile ad network.
- Started freelancing on Fiverr in 2015.

AngularJS, JavaScript, PHP, MySQL

Co-founder, Itsybitsy

Jun 2014 – Sep 2015 · Lahore

- Owned the technology: hybrid mobile apps with Cordova, PHP/MySQL backend and the company website.
- Won first place at the Plan9–Acumen Launchpad for Social Entrepreneurship 2014; selected for Google Developers Launchpad and Microsoft BizSpark, and invited to Web Summit 2014.

Cordova, PHP, MySQL, jQuery

SKILLS

Angular	Angular (2–22), AngularJS, TypeScript, RxJS, Signals, NgRx, Angular Material
Architecture	Nx monorepos, Design systems, Storybook, Component libraries, SSR & prerendering
Quality	Unit & integration testing, Sentry, Performance profiling, Core Web Vitals
Product	Firebase, A/B testing, BigQuery, Hotjar, i18n (Phrase), Paywalls
Also	React, Redux, GraphQL, Keycloak, Node.js

EDUCATION

BE, Computer Software Engineering, National University of Sciences and Technology (NUST)

2011 – 2015

- Scholarship holder
- Rector’s High Achievement Award
- Third position in the entrance test

AWARDS

- First place, Plan9–Acumen Launchpad for Social Entrepreneurship 2014 (Itsybitsy)
- Google Developers Launchpad 2014 (Itsybitsy)
- Microsoft BizSpark 2014 (Itsybitsy)
- Rector’s High Achievement Award, NUST

LANGUAGES

English: Professional · Urdu: Native · German: Intermediate (B1)