

Amin Atwi

Senior Angular Engineer

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Summary

Senior Angular engineer with 6+ years of Angular experience in application modernization, monorepo architecture, and reusable UI libraries. Led Angular 8-to-18 and Cordova-to-Capacitor migrations, built shared UI components for three applications, and led a team of three front-end developers. Additional back-end experience with Node.js and ASP.NET Core.

Technical skills

Angular: TypeScript, JavaScript, RxJS, Signals, standalone components, OnPush, lazy loading, Reactive Forms, custom stores

UI and mobile: Angular Material, CDK, ControlValueAccessor, CSS, SCSS, Tailwind, Bootstrap, Ionic, Cordova, Capacitor

Architecture and delivery: Monorepos, shared libraries, feature boundaries, code reviews, mentoring, onboarding, Agile/Scrum

Testing and tooling: Jasmine, Mocha, ESLint, SonarCloud, Git, Docker, Azure Pipelines, Bitbucket Pipelines, CI/CD

Backend and integrations: Node.js, Express.js, NestJS, Firebase Functions, C#, ASP.NET Core, SQL, OpenLayers, WebGL, TensorFlow, OpenCV

Experience

Globalistic Tech Offshore

Senior Front-End Developer | Dbayeh, Lebanon

Dec 2024 - Present

Selected client project: InfraMappa

- Planned and led an Angular 8-to-18 migration across more than 10 business modules, including users, projects, permissions, asset mapping, issues, and self-service registration; upgraded Angular libraries and project dependencies.
- Restructured the codebase into a monorepo spanning 3 applications and 4 libraries, with ESLint rules enforcing feature boundaries; adopted standalone components, OnPush, and lazy loading.
- Built a shared Angular Material/CDK UI library with more than 10 reusable components and custom form controls, dynamic theming, and ControlValueAccessor integration, used by all 3 applications.
- Implemented WebGL rendering in OpenLayers for more than 10,000 mapped assets, resolving freezing during map panning and improving navigation responsiveness.
- Kept the restructured application synchronized with ongoing production features and fixes while the existing application continued receiving releases.
- Separated components, application state, and API access through custom stores and services; used Angular Signals and Reactive Forms for reactive data and form handling.
- Led the migration of an Ionic application from Cordova to Capacitor.
- Used Jasmine for Angular unit testing.

Assentify

Senior Front-End Developer | Beirut, Lebanon

Dec 2022 - Dec 2024

- Led a team of 3 front-end developers, providing technical guidance and promoting consistent Angular development practices.
- Designed Angular applications from the ground up using monorepo architecture, RxJS, and ESLint rules to keep feature dependencies isolated.
- Created a shared UI library around Angular Material to standardize interface components and design patterns.
- Integrated OpenCV and TensorFlow for real-time face and card detection, alongside video-streaming functionality.
- Used Jasmine for Angular unit testing.
- Collaborated with UI/UX designers, back-end engineers, and AI specialists to deliver application features.
- Facilitated daily stand-ups, sprint planning, and backlog refinement as part of the team's Scrum delivery process.

ITXI

Back-End Developer | Beirut, Lebanon

Nov 2021 - Nov 2022

- Developed Node.js back-end solutions using Express.js, NestJS, and Firebase Functions.
- Configured Bitbucket Pipelines for continuous integration and delivery.
- Wrote unit tests with Mocha and integrated SonarCloud to monitor coverage, identify code smells, and reduce duplication.
- Documented solution designs, development workflows, and testing approaches.

Soffa

Full Stack Developer | Dbayeh, Lebanon

Jul 2019 - Oct 2021

- Built and deployed Angular web applications with responsive Angular Material interfaces, Reactive Forms, and Template-Driven Forms.
- Developed ASP.NET Core web APIs for web and mobile applications and designed SQL database schemas.
- Applied microservices and SOLID principles to structure back-end applications.

Education

Degree in Computer Science

Lebanese University | 2016 - 2019