

Bojan Mickoski

Senior Frontend Engineer

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Profile

Senior Frontend Engineer with 9+ years of experience building scalable web applications. Focused on UI architecture, modernization strategies, reusable component libraries, and clean code practices.

Professional Experience

2015 – Present

Armedia

Senior Frontend Developer

- Led UI development across enterprise Angular applications, owning features end-to-end.
- Introduced a Web Components strategy to replace AngularJS modules and enable incremental modernization.
- Built reusable UI libraries with a monorepo workflow; automated versioning and Nexus deployments.
- Implemented Storybook for developing, documenting, and testing shared UI libraries and web components.
- Improved performance by ~30% through optimizing change detection, memoized pipes, and lazy-loading.
- Implemented contract testing (Pact) to improve reliability and integration safety.
- Used Prism for API mocking to unblock frontend development and parallelize backend work.
- Refactored and migrated legacy AngularJS applications into modern Angular architectures.
- Defined ESLint rules and coding guidelines, reducing code review rework.
- Mentored junior/mid developers and contributed to architectural decisions and engineering strategy.
- Delivered prototypes and demos and clarified requirements directly with clients.
- Supported multiple concurrent projects in agile/scrum environments.

2018 – 2019

The Big Search (Tomato Talent)

Frontend Developer

- Developed Angular UI components and delivered UX-driven interfaces.
- Established Angular project architecture, structure, and coding standards.
- Implemented CI/CD pipelines in Bitbucket, reducing deployment time by ~60%.
- Collaborated closely with backend teams to optimize REST API integration.
- Performed code reviews and improved consistency across engineering workflows.
- Helped resolve team blockers and enhance development efficiency.

Education

2010 – 2015

Bachelor

Faculty of Computer Science & Engineering

Java SE7 Fundamentals & Programming

Semos Education

Skills & Technologies

Frontend Frameworks

Angular AngularJS RxJS Web Components React Next.js MDX

Tools & DevOps

Git CI/CD Bitbucket Pipelines
npm Lerna ESLint

Testing

Jest Jasmine Karma Pact
(contract testing) Prism (API mocking)

UI & Styling

HTML5 CSS3 SCSS Responsive Design

Languages

TypeScript JavaScript Java
(support-level)

Backend (Support)

Spring Boot MySQL REST APIs

Project Portfolio

Personal Portfolio (React / Next.js)

- Built a case-study driven portfolio to showcase architecture decisions, tradeoffs, and outcomes.
- Implemented an MDX content pipeline, dark mode, and SEO/OpenGraph metadata for shareable previews.
- Added an interactive case study rotator to keep the homepage concise while showing breadth.
- Links: portfolio-pi-coral-59.vercel.app | github.com/bmickoski/portfolio ↗

Links:

- Demo: <https://bojan-mickoski-portfolio.vercel.app> ↗
- GitHub: <https://github.com/bmickoski/portfolio> ↗

ArkCase Enterprise Case Management Platform

- Developed reusable UI modules and core Angular features.
- Improved load times with optimized routing and lazy-loading.
- Enhanced test reliability using Jest and Jasmine.
- Contributed to frontend architectural evolution.

Tomato Talent Platform

- Built major Angular features enabling collaboration across teams.
- Established CI/CD automation and streamlined build pipeline.
- Created reusable UI components and foundations for a design system.

React Entity Picker Lab (React / TypeScript)

- Built a production-style React application focused on scalable async entity selection
- Implemented single- and multi-select pickers with keyboard-first accessibility (ARIA, focus management)
- Added virtualization to support 10,000+ entities without performance degradation
- Designed abortable async search with debouncing and request cancellation
- Implemented route-driven state hydration and localStorage persistence
- Built an ID → entity rehydration cache to restore UI state after refresh
- Created an internal "Component Lab" to stress-test behavior under different constraints
- Documented component APIs and edge cases using Storybook

Links:

- Demo: <https://react-entity-picker-lab.vercel.app> ↗
- GitHub: github.com/bmickoski/react-entity-picker-lab ↗