

PETAR SCEPANOVIC

SOFTWARE ENGINEER | TYPESCRIPT · REACT · .NET · AZURE

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PROFILE

Software engineer with six years of experience building reliable web products across TypeScript, React, Next.js, Azure, and C#/.NET. Delivers end-to-end features from typed APIs and event-driven services to resilient interfaces, real-time workflows, and production-like automated testing.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Kotlin, SQL

Frontend & mobile: React, Next.js, Android, HTML, CSS, TanStack Query, SWR, Redux Toolkit

Backend & cloud: Node.js, .NET, REST, OpenAPI, Azure Functions, Web PubSub, Cosmos DB, PostgreSQL, Firebase Cloud Messaging

Quality & delivery: Playwright, Vitest, Jest, Testcontainers, Docker, GitLab CI/CD

EXPERIENCE

ZÜHLKE Belgrade, Serbia

Feb 2024 - Present

Software Engineer

- Designed and delivered event-driven, real-time product flows with Azure Functions, Web PubSub, Next.js, and typed APIs, reducing repeated client requests and making state changes visible immediately.
- Established production-like end-to-end testing with Playwright, containerized dependencies, and CI, covering critical browser workflows before release.
- Built typed service integrations with schema validation, Cosmos DB persistence, event delivery, and explicit recovery paths.
- Improved resilience across offline and transient-failure states using connectivity signals, cached fallbacks, safe read-only behavior, and focused automated tests.
- Implemented a headless Kotlin Android notification receiver with Firebase Cloud Messaging, managed topic registration, and build-time configuration.

BLUEGRID Belgrade, Serbia

May 2021 - Sep 2023

Frontend Developer

- Built responsive React and TypeScript product workflows and operational dashboards across multiple applications.
- Migrated Redux request handling to TanStack Query, using caching and request deduplication to reduce duplicate API calls across data-heavy flows.
- Integrated third-party platforms and built reusable components and design tokens shared across applications.

OMP Barcelona, Spain (Remote)

Oct 2020 - Mar 2021

Frontend Developer

- Modernized an enterprise React product by migrating class components to Hooks and TypeScript, simplifying state and making component contracts explicit.
- Defined OpenAPI contracts and integrated REST endpoints with backend engineers, helping surface integration mismatches before UAT.

SELECTED PROJECTS

Batch import workflow — React, TypeScript, Zod, Playwright. Built a typed three-step CSV workflow with row validation, state-preserving navigation, and virtualized review for synthetic files up to 10,000 rows.

Anonymous team feedback — React, Apollo GraphQL, Styled Components. Built responsive dashboards, survey sharing, profile UI, and shared interface styling for a six-person product team.

EDUCATION

- BloomTech (Lambda School) - Full Stack Web Development & Computer Science
- University of Belgrade - M.S., Human Resources Management
- European University - B.S., International Management