PETAR SCEPANOVIC

FULL STACK SOFTWARE ENGINEER | TYPESCRIPT | REACT | NODE.JS | .NET | AZURE

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PROFILE

Full stack engineer with seven years of practical development experience. Builds retail software with TypeScript, React, Next.js, Node.js, C#/.NET and Azure.

EXPERIENCE

Zühlke Belgrade, Serbia **Feb 2024 to Present**

Software Engineer

- Designed and built Azure Durable Functions batch processing with per delivery retries and a poison queue; used Cosmos DB ETags and retries to prevent concurrent updates from silently overwriting store data.
- Proposed and built Azure Web PubSub updates replacing polling every 60 seconds, so store staff see delivery changes without waiting up to a minute.
- Built core features for a Next.js store operations PWA: navigation, notes, tasks, deliveries, feature flags and offline access to previously loaded data.
- Built user feedback for an LLM assistant, saving ratings and comments with the conversation history.
- Built Kotlin Android notifications with Firebase Cloud Messaging, using managed configuration to subscribe devices to their store's topic, and added the GitLab APK pipeline.
- Delivered regional and area loss reporting across React and C#/.NET APIs, with configurable periods, loss against budget and completion rates for recommended store actions.
- Introduced Playwright testing across two apps, including authenticated workflows. Added GitLab CI tests with a production Next.js build and seeded Cosmos DB emulator.

BlueGrid Belgrade, Serbia **May 2021 to Sep 2023**

Frontend Developer

- Built React and TypeScript dashboards for retail loss prevention, compliance and inventory workflows.
- Migrated Redux request handling to TanStack Query so components could reuse cached data instead of issuing repeated API requests.

OMP Barcelona, Spain (Remote) **Oct 2020 to Mar 2021**

Frontend Developer

- Modernized an enterprise React product with Hooks and TypeScript; defined OpenAPI contracts and integrated REST endpoints with backend engineers.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Kotlin, SQL
Frontend and mobile: React, Next.js, Android, HTML, CSS, TanStack Query, Redux Toolkit
Backend and data: Node.js, ASP.NET Core, REST, OpenAPI, Zod, Cosmos DB, PostgreSQL
Azure: Functions, Durable Functions, Storage Queues, Web PubSub
Testing and delivery: Playwright, Vitest, Jest, Testcontainers, Docker, GitLab CI/CD, Azure DevOps

SIDE PROJECT

Relay webhook delivery | GitHub | ASP.NET Core, PostgreSQL, Next.js, Docker **2026**

- Built a webhook delivery system with HMAC signing, idempotency, retries, stale claim recovery and replay; covered delivery and failure paths with 80 automated tests, including integration and browser tests.

EDUCATION

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