

# Miloš Macek

## Full Stack Developer

Mobile | Web | Desktop | BaaS | SaaS | LLM | MCP | Bitcoin

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I am an independent full-stack developer with fifteen years of experience. Previously focused primarily on mobile app development, I am now expanding into backend, SaaS, web applications, and exploring LLM integration. My goal is to create robust, user-friendly solutions that combine proven practices with emerging technologies. I am currently putting together my VPS with a complete range of self-hosted applications.

## 🧰 Work Experience

### Full Stack Developer - [Freelancer](#)

2019 - present

Development of applications for various clients and companies as a contractor. Specializing in mobile and web applications, as well as more complex solutions with backend.

### Mobile Application Developer - [As4u.cz, s.r.o.](#)

2014 - 2018

Development of mobile applications for cities and municipalities, tourism support, map applications, information kiosks, even a fiscal cash register. Gradual transition from native Android development through Ionic/Cordova to React Native and Expo. After leaving in 2018, I continued to update applications as needed.

## 🖥️ Selected Projects

### SPUD Now

Construction Project Management Software (UK).

Expo

TypeScript

React Native

### Tlappka

Vet in your pocket. App allows 24/7 live chat and consulting with veterinarians.

Expo

React Native

Gluestack

Storybook

### My City in Mobile

Applications for cities and municipalities, with map functions, events, fault reporting and other modules. The app was branded for approximately 15 cities.

Expo

React Native

RestAPI

SQLite

### Shark Tracker

Application for tracking chipped sharks, turtles and other marine creatures. As a contractor in the Mapotic startup.

React Native

Mapotic API

MobX

Elemental UI

## Tech Stack

### Programming

#### Languages

- TypeScript
- Java
- Rust (basics)
- Effect
- SQL

### Mobile

- React Native
- Expo
- EAS
- Tamagui
- NativeWind

### Frontend

- React
- Next.js
- TailwindCSS
- Astro
- HTML/CSS

### Backend

- Node.js
- Express.js
- Supabase
- Appwrite
- Serverless

### State Management

- Redux
- Zustand
- TanStack Query
- Context API
- LegendState

### DevOps

- Git
- GitHub Actions
- Docker
- Vercel
- CI/CD

### Databases

- PostgreSQL
- MongoDB
- SQLite
- Drizzle ORM
- Watermelon

### API Management

- REST API
- GraphQL
- OpenAPI/Swagger
- Apollo
- tRPC

## Education

Information Technology - [Technical University of Liberec](#) 2010 - 2014

Electrical Engineering - [Czech Technical University, Prague](#) 2008 - 2010

Electrical Engineering - [Masaryk Technical College, Kutná Hora](#) 2004 - 2008

## Language Skills

- Czech - native speaker
- English - intermediate level (B2)

## Current Projects

### miccy-verse

Universal UI design system with unified style and behavior for web and mobile applications.

React Native

Lynx

Astro

React

### SATstation

Application for the BTC community focused on local-first approach, anonymous communication and security.

Expo

React Native

Effect

Evolu