

# Tomáš Pilař

SOFTWARE DEVELOPER

☎ +420 721 733 283 | ✉ thomas7pilar@gmail.com | 🏠 pilartomas.com | 🌐 pilartomas | 📄 tomas-pilar-0b904b135

## Education

### Charles University in Prague, Faculty of Mathematics and Physics

MASTER'S DEGREE IN ARTIFICIAL INTELLIGENCE (ONGOING)

Prague, CZ

2018 - PRESENT

### Charles University in Prague, Faculty of Mathematics and Physics

BACHELOR'S DEGREE IN COMPUTER SCIENCE

Prague, CZ

2015 - 2018

## Skills

**Languages** C, C++, C#, Python, JavaScript, TypeScript, SQL, Swift, Java, PHP, x86  
**Technologies** React, React Native, SwiftUI, UIKit, WPF, REST, GraphQL, NodeJS, Docker, Git, Material-UI, AWS

## Experience

### Salsita, s.r.o.

SENIOR FULL STACK DEVELOPER

Prague, CZ

Sep 2018 - PRESENT

- Developed web and mobile applications (React, React Native, iOS).
- Built a server for real-time bi-directional communication, handling events during video calls (NodeJS + WebSockets).
- Worked both in small teams to deliver a complete product and in larger teams to maintain and improve existing codebases.
- Worked on migration of native iOS app from UIKit to SwiftUI and continued its development.
- Tech lead on web application project (React + Typescript + REST API).

### Freelance

CLOUD ARCHITECT AND DEVOPS

Jul 2020 - PRESENT

- Specializing at AWS cloud.
- Extended on-premises infrastructure with CDN (Cloudfront).
- Migrated web infrastructure under AWS, resulting in decreased costs and increased reliability for the client.
- Configured and maintained servers.

## Interests

### Cybersecurity

- Burning time on security challenges and CTFs like HackTheBox, HackerOne, etc.

### Electronics

- Hardware enthusiast. I own Arduino, Raspberry Pi and a breadboard. Created small projects like mobile controlled RC car or IR remote repeater.

### IoT

- IoT enthusiast. Interfacing with IP cameras, routers, etc. in unintended ways.