Michael Sedlak

Michael Sedlak, BSc
Kreuzgasse 15/9
8010 Graz

Born: 1. Mai 1999
Nationality: Austrian

0664 5181903
michi.sedlak@gmail.com

Technical Proficiencies

Software Engineering

Programming languages: Python, JavaScript, TypeScript, Java, C#, C/C++
Database technologies: SQL, PostgreSQL, MySQL, MongoDB, Neo4j
Web technologies: HTML5, CSS3, Angular, Vue.js, SvelteKit, Tailwind CSS
GPU: Real-Time Graphics, TensorFlow/Keras, GLSL/HLSL, CUDA
DevOps: Git, GitHub Actions, GitLab CI/CD, Docker, Portainer

Network & Administration

Linux Server Management: Remote Access, Firewall, Networking, Docker, K8s
Windows Management: Microsoft365, Windows AD & Azure AD, SharePoint
Networking: Subnetting, Router & Switch Config., Network Topologies, VLAN

Electrical Engineering

RF technologies: Antenna Design, (Satellite) Modem Design, RFID/NFC, Radar
Embedded: (I)IoT, Power Management, PLC, Embedded ML

Experience

Graz University of Technology - PhD Student
JUNE 2025 – NOW, GRAZ

Researching low-power embedded localization systems with a focus on ultra-wideband technology in the LENS group.

Freelance / conicode - General Manager, Tech Lead, Software Developer
DECEMBER 2018 – NOW, GRAZ

Development of digitization solutions for small to medium-sized businesses (KMU). Focus on the energy sector and simulation technology. conicode.at

Innofreight IT Solutions GmbH - Full Stack Developer
NOVEMBER 2024 – MAY 2025, GRAZ

Development of freight logistics software solutions for internal and external use. Automated wagon position & mileage tracking. Analysis of wagon condition and prediction of maintenance windows for preventative maintenance.

Siemens AG - Intern
JULY 2017, VIENNA

Internship in the software development department. Development of front-end

applications for automation with Java and Vue.js.

Education

Graz University of Technology - Information and Computer Engineering
OCTOBER 2019 –NOW, GRAZ

Completed a bachelor's degree and ongoing master's degree in electrical, electronic, and low-level software engineering. Focus on mobile computing, communications, visual computing, and GPU programming.

HTBLuVA Wr. Neustadt - Computer Science
SEPTEMBER 2013 – JUNE 2018, WR. NEUSTADT

Relevant and practice-oriented training in software development, network technology, and databases.

NMS Ebenfurth - Neue Mittelschule
SEPTEMBER 2009 – JUNE 2013, EBENFURTH

Major Projects

Elementor - Energy Flow Simulation for EEG Elements Energy GmbH
2021 - NOW

Technologies: C++, Node.JS, Angular, Chart.JS, SQLite, JWT, Prisma, Express
Operations: VPS, Linux, Dockerized, CI/CD

Pagatbagage - Record-keeping Platform for our Tarock group
2023 - NOW

Technologies: SvelteKit, Tailwind, PostgreSQL, JWT, iCal, Typst, Prisma
Operations: VPS, Linux, Dockerized, CI/CD, Portainer, Caddy Reverse Proxy

LQVWv2 - Rental Management Software for LagerQuader GmbH
2017 - NOW

Technologies: PHP, Angular.JS, Bootstrap, Chart.JS, MySQL, Dropbox Integration
Operations: Rented PHP Webhosting

IBN Tool - Commissioning tool for EEG Elements Energy GmbH
2023 - 2024

Technologies: Monorepo, Strapi, SQLite, Modbus, Angular

Panpal - Recipe keeping platform for personal use
2022 - NOW

Technologies: SvelteKit, Tailwind, PostgreSQL, JWT, Prisma
Operations: CI/CD

Around You - Social platform for drinking groups
2021 - 2022

Technologies: Node.js, Express, Angular, Ionic Capacitor

Sir Botalot - Discord Bot for playing music and querying information
2017 - 2019

Technologies: Node.js, FFMPEG, yt-dl
Operations: VPS, Linux, CI/CD

Various Websites - Informational Websites for KMUs, etc.
- dr-weirer.at
- tmv-spital.at
- gartengestaltung.at
- conicode.at

Technologies: WordPress, Custom CSS
Operations: Rented PHP Hosting, VPS, Linux

—

Personal Interests / Hobbies

- Aviation (Model & Real)
- Playing Piano
- Coding
- Electrical Engineering
- Home Lab
- Cooking
- Gaming
- (Astro-)Photography
- Smart Home
- Motorcycling
- 3D Printing