



## Raphael Panic

Software Engineer

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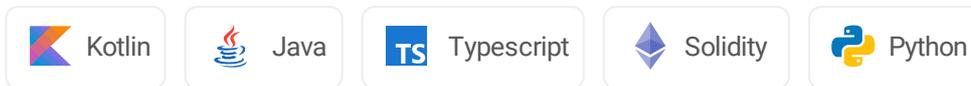
I am passionate about building innovative software and bringing value to those I work with. I specialize in creating software for public and private entities, ranging from designing frameworks and building web applications to building in the cryptocurrency ecosystem.

I completed a technical college for computer science with distinction and collected 1.5 years of work experience. I am currently enrolled in a CS Bachelor's program at TU Wien.

  <https://rpanic.com>

## Skills

### Languages



### Tools / Frameworks



## Projects

### Mina Multisig Wallet

I developed a zkApp implementation of a multi-sig wallet for the Mina Blockchain. It uses SnarkyJS, a library for creating smart contracts using zero-knowledge proofs, and is live on the Berkeley testnet.

For this project, I received a development grant from the Mina Foundation.

### Ethereum Project

I was lead developer on a DApp-Project, which used an Angular Frontend, Metamask Integration and multiple smart contracts on the EVM built with Hardhat and deployed on the Layer-2 Technology Polygon.

### Blockchain Full-node

During the course "cryptocurrencies" in the winter semester of 2022 at TU Vienna, I implemented a full-node for a UTXO-Based Blockchain protocol specification named Kerma.

### DL4BTC

My diploma thesis DL4BTC uses Machine Learning to perform Sentiment Analysis on Social-Media and News Data and aggregate the results into meaningful insights.

More information about these and more projects can be found on [my website](https://rpanic.com)

## Work Experience

### Internship in Ethereum Development • Bitfly

July 2021 - September 2021

For 3 months, I worked for Bitfly (the company behind Ethermine, Beaconcha.in, Ethpool, ...) and helped build Ethereum Webservices using Go and MEV Contracts using Solidity.

### Military service in cybersecurity • Bundesheer Österreich

February 2020 - August 2020

During my mandatory military service, I worked in the Austria Centre for Cyber Security in the department of Data analytics.

### Software Engineer • Catalysts (Cloudflight)

September 2019 - February 2020

I was part of a project team developing a scalable Web-Application using Spring Boot, Angular, MySQL, and Redis.

### Software Engineering Intern • BE-Terna

August 2016 - April 2019

I completed two summer internships and worked 5 hrs per week during the school year.

## Education

2020 -

### Technical University Vienna

B.Sc. Information & Software Engineering

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2014 - 2019

### High School for Higher Technical Education Grieskirchen

Informatics