

# Vincent Halász

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## Working Experience

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### GovRadar GmbH

Munich, Germany

FULL STACK DEVELOPER

September 2024 - Present

- Frontend development of a web application for the analysis of public procurement data (Vue.js, Tailwind, TypeScript)
- Backend development of a REST API for the analysis of public procurement data (FastAPI, Python, PostgreSQL)
- Infrastructure as Code and CI/CD (Azure, AWS, Docker, github actions)

### Nextaim GmbH

Munich, Germany

BACKEND DEVELOPER

July 2023 - August 2024

- Migration of an enterprise backend from golang microservices to a Node.js monolith (golang, AWS, TypeScript, Node.js, Fastify, PostgreSQL, Docker)
- Continuous development of a Node.js based enterprise backend
- Development of an internal knowledge base and AI Agent (Python, Slack API, Asana API, Github API, OpenSearch, haystack, Terraform)

### Fireflow Accelerating Technology Ventures GmbH

Munich, Germany

IOS APP DEVELOPER

May 2021 - May 2023

- Development of the Meiller MiDrive iOS App (Swift, SwiftUI, UIKit, SPM, CocoaPods, Xcode, BLE communication)
- Requirements elicitation, system specification and design of new features (figma)
- CI (Jenkins, Buildkite, fastlane, Firebase, App Store Connect)

### Scalable Capital GmbH

Munich, Germany

INTERNSHIP CS AND SALES

June 2020 - July 2020

- Customer support in the areas order execution and portfolio management (salesforce)

### Fondsconsult Research AG

Munich, Germany

MACHINE LEARNING ENGINEER

May 2019 - May 2020

- Research and implementation of algorithms for predicting investment fund performance (Python, Tensorflow, Keras, SciPy, jupyter, Morningstar Direct)
- Assistance on the publications “Robo-Advisor-Studie” and “VV-Studie” (MS Office, Morningstar Direct)

### Getnow New GmbH

Munich, Germany

TECHNICAL ASSISTANT

Jun. 2018 - Oct. 2018

- Develop automated data analysis tools for the product and services department (Python, SciPy, Keras, Tensorflow)
- Web scraping and data analysis tasks for the marketing department (Python)
- Database maintenance (MySQL)

## Education

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### TUM (Technical University Munich)

BACHELOR IN INFORMATION SYSTEMS

*Munich, Germany*

*Apr. 2020 - Sept. 2023*

- Thesis on the use of blockchain for handling personally identifiable information (Eosio, Quorum, Go, Node, TypeScript, Angular, Vapor, MySQL, MongoDB, Docker)
- iOS internship - Bosch (Swift, SwiftUI, UIKit, CocoaPods, Xcode, OAuth, Postman, BLE Communication, Jira, Confluence)

### TUM (Technical University Munich)

BACHELOR IN TECHNOLOGY AND MANAGEMENT

*Munich, Germany*

*Oct. 2017 - Mar. 2020*

### LSH-Ising

GENERAL QUALIFICATION FOR UNIVERSITY ENTRANCE

*Chieming, Germany*

*Aug. 2013 - Jul. 2015*

- Theater group, Big Band, Rowing club

## Projects

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### Prisma Identity

CREATION AND SHARING OF VERIFIABLE CREDENTIALS

*Sept. 2022 - Mar. 2023*

- Platform for easily creating and sharing verifiable credentials
- Development of a Flutter-based mobile application (Flutter, Dart, Node, MongoDB)

### Noisy One

HYBRID SINGLE-DRIVE MOTORCYCLE

*Sept. 2022 - present*

- Transformation of an old Kawasaki into a direct-drive hybrid motorcycle
- Conversion of analog engine control to self-programmed micro-controllers (Arduino, C++)
- Development of iOS mobile application for vehicle control and infotainment (Swift, SwiftUI, BLE communication)

### Street Treasures

ANONYMOUS PLATFORM FOR POSTING GIVEAWAY GOODS

*Aug. 2022 - present*

- Platform for posting descriptions and locations of giveaway goods placed on the street
- SwiftUI mobile app, Service-oriented architecture, AI-based content moderation (SwiftUI, Go, PostgreSQL, Google AI)

### Ikon Fisher

EASE TO USE, NO-CODE FACTOR INVESTING STRATEGY BUILDER

*Dec. 2023 - present*

- Platform for building and backtesting factor investing strategies without code
- Angular, Tailwind, TypeScript, Python, FastAPI, PostgreSQL, Docker

## Skills

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**Programming Languages** TypeScript, JavaScript, Swift, Go, Python, Dart, C++

**Mobile Frameworks** SwiftUI, UIKit, Flutter

**Backend Frameworks** Vapor, Node.js, Fastify, Express, FastAPI

**Databases** PostgreSQL, MongoDB, SQLite, Realm Swift

**Blockchain** Quorum, Eosio

**Web Frameworks** React, Next.js, Angular, Vue.js

**Machine Learning** Tensorflow, Keras, SciPy, jupyter, haystack, langchain

**Project Management** Phabricator, Jira, Confluence, Asana, Azure DevOps, Github

**Devops** Github, Firebase, fastlane, Docker, AWS, Azure, Terraform

**Languages** German: C2, English: C2, Portuguese: B1, Spanish: A2, Italian: A2