



# Ivaylo Korakov

## Software Engineer

An always curious person with years of experience in designing and building backend and distributed systems. I believe in collaboration and love working in a team, but I also possess the confidence to take ownership of projects independently (from the ground up). Driven by an insatiable curiosity, I constantly explore emerging technologies and ideas in my free time while building personal projects. I am dedicated to delivering outstanding results and making a lasting impact in the field.



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## AREAS OF EXPERTISE

Backend and distributed systems

Go

Typescript

Python

Kubernetes/Docker

Kubernetes Operators

Linux (debian based)

AWS and GCP

Microservices Architecture

System design

MySQL

Redis

RabbitMQ

Prometheus

Helm

CI/CD - Jenkins

React/Next/Tailwind

Regex/Hyperscan



## WORK EXPERIENCE

### Software Engineer

Kumina B.V.

07/2019 - Present

Eindhoven / The Netherlands

Kumina designs, builds, operates and supports Kubernetes solutions that help companies thrive online.

#### Achievements/Tasks

- Designed and developed a modular distributed system with a central web app dashboard to manage and monitor our customers' Kubernetes clusters.
- Created a shared managed MySQL database product called MySQL-Kumi for our customers by designing and developing a Kubernetes Operator that manages users, databases, backups, restores and more from CRDs. This makes it possible for multiple smaller customers to share one big Percona Xtradb Cluster lowering costs while keeping high availability guarantees.
- Made a 2-3 hours work process every day into a 15 min almost automatic helm upgrades by creating a helm CLI plugin to automate merging internal charts with upstream open source charts.

Contact: Tim Stoop - CEO - [linkedin.com/in/timstoop](https://linkedin.com/in/timstoop)

### Intern

Kumina B.V.

02/2019 - 06/2019

Eindhoven / The Netherlands

#### Achievements/Tasks

- Designed and developed an internal request routing solution called Redirectory to support millions of regex-based redirects for large news websites in the UK.
- Open sourced Redirectory on GitHub fully documented: [github.com/kumina/k8s-redirectory](https://github.com/kumina/k8s-redirectory)

Contact: Tim Stoop - CEO - [linkedin.com/in/timstoop](https://linkedin.com/in/timstoop)

### Software Developer

Coosto

08/2018 - 06/2019

Eindhoven / The Netherlands

The Marketing tool for content & social media

#### Achievements/Tasks

- Worked on improvements to the internal Python website spider framework that is used by the Script Developers
- Worked in collaboration on creating a headless distributed Google Reviews spider

Contact: Gregor Orchowski - Teamlead - [linkedin.com/in/gregor-orchowski](https://linkedin.com/in/gregor-orchowski)

## WORK EXPERIENCE

### Script Developer Coosto

01/2018 - 07/2018

Eindhoven / The Netherlands

#### Achievements/Tasks

- Created Python scripts for crawling websites, gathering data and categorizing it according to our data standards.
- Took initiative to work on the hardest websites to spider and created custom scripts/programs for each of them.

Contact: Gregor Orchowski - Teamlead - [linkedin.com/in/gregor-orchowski](https://www.linkedin.com/in/gregor-orchowski)

## EDUCATION

### ICT & Software Engineering Fontys University of Applied Science

Eindhoven / The Netherlands

## PERSONAL PROJECTS

#### Stairgen (02/2023 - Present)

- A platform that allows your customers to configure their stairs live in 3D and order them directly from the app.
- It also provides you with a fully featured dashboard to manage your orders, customers, stores and organization.
- Working with Three.JS to deliver a 3D experience new to the industry
- Building it with Typescript, React, Next, ThreeJS, Tailwind and more

#### Excellence (12/2021 - 08/2022)

- [eiken-traprenovatie.com](https://eiken-traprenovatie.com)
- Created an e-commerce web shop for a small stair building company in Belgium
- Learned the ins and outs of Shopify's Storefront API and building production ready apps with React, Next.js and Vercel
- Created a complex checkout process that can handle companies by verifying the BTW number and automatically adjusting taxes based on country or legal jurisdiction.

## TEACHING EXPERIENCE

### Lecturer / Assistant-Mentor Software University

12/2015 - 07/2016

Sofia / Bulgaria

#### Tasks/Achievements

- Helping students during lectures.
- Leading practice lectures.
- Creating exams and exercises for the students.

## LANGUAGES

English  
Full Professional Proficiency

Dutch  
Limited Working Proficiency

Bulgarian  
Native Proficiency

## INTERESTS

Mechanics / Tooling

Motorcycles

3D Modeling

Game Development

Graphic design

Drones / FPV

Developing things