



Domagoj Knez

Full-Stack Software Engineer

CONTACT

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SKILLS

Backend

Python, Django, DRF, FastAPI, SQLAlchemy, Node.js, Nest.js, Hono, Java, Spring Boot

Frontend

TypeScript, React, Next.js, Vue.js, RTK Query, D3.js

Data

PostgreSQL, MySQL, OracleDB, Redis, Apache Solr

Cloud & infra

AWS, Azure, GCP, Cloudflare, Docker, Kubernetes, Terraform, Ansible

Also

REST, gRPC, SOAP, microservices, SAP Hybris, Camunda BPM

EDUCATION

MSc, Information and Communication Technology

FER, University of Zagreb · 2012

BSc, Computing

FER, University of Zagreb · 2010

CERTIFICATIONS

SAP Certified Development Professional — SAP Hybris Commerce 6.2 Developer, 2018

SAP Certified Product Support Specialist — SAP Hybris Commerce 6.0, 2018

LANGUAGES

Croatian	Native
English	Full professional
German	Limited working

PROFILE

Full-stack engineer, thirteen years across telecom, e-commerce, payments, insurance, accounting SaaS, eSIM connectivity and industrial AI. Own consultancy since 2020, working end to end: Python and Django on one side, TypeScript and React on the other, AWS, Azure or GCP underneath.

EXPERIENCE

CoreTech d.o.o.

2020 — present

Owner & Consultant

Independent consultancy — long engagements, owning a slice of the product end to end.

■ MontBlancAI Lead engineer

Industrial AI platform helping machine manufacturers cut downtime and optimise maintenance. Full product stack: the interface, the backend services, and the Alpinist AI core that turns machine data into insight.

Django · DRF · React · TypeScript · RTK Query · D3.js · PostgreSQL · Azure · Docker

■ Bondio Senior engineer

eSIM connectivity API for travel businesses, IoT platforms and resellers — 1000+ networks across 200+ countries. Backend services and the customer-facing dashboard.

Nest.js · React · AWS · Terraform · Docker

■ Tiketti Lead engineer

Event ticketing platform, plus a block builder vendors use to assemble their own pages. Rebuilt the legacy translation tool into the monorepo, folded it into the Next.js app and reworked S3 and R2 handling.

Node.js · Next.js · TypeScript · Hono · Cloudflare · AWS · Terraform · Docker

■ Fondion

ERP for the construction industry. Python backend, React frontend optimisation, and the team's migration from hand-written SQL to the SQLAlchemy ORM.

Python · FastAPI · SQLAlchemy · Alembic · React · PostgreSQL · AWS · Docker

■ Takeaway

Mobile food and drink ordering system taken from MVP to production. Backend refactoring, streamlined build and test pipelines, new features.

Node.js · Hapi · JavaScript · Vue.js · PostgreSQL · Redis · Docker

FreshBooks

Jun 2021 — Nov 2024

Senior Software Engineer & Team Lead

Django microservice with DRF fronting core services, serving REST APIs to two React applications. Moved into a lead role for two engineers while staying hands-on.

Python · Django · DRF · React · Tailwind · MySQL · GCP · Docker

Adcubum

Dec 2019 — Jun 2021

Senior Software Engineer

Microservice for communication with German and Swiss insurance associations, supporting vehicle registration inside a move to microservice architecture.

Java · Spring Boot · OracleDB · Kubernetes · gRPC · Camunda BPM · Docker

Verso Altima Group

May 2017 — Dec 2019

Java Developer Expert

Lead developer on the Payment Gateway: a proxy integrating the new SAP Hybris webshop with a range of payment providers.

Java · Spring · SAP Hybris · Apache Solr · Nginx · REST · SOAP · Ansible

mStart d.o.o.

Feb 2016 — May 2017

E-Commerce Specialist

Developed Abrakadabra, a new e-commerce platform.

Spring · Maven · Apache Solr · Nginx · REST

Ericsson Nikola Tesla d.d.

Sep 2013 — Feb 2016

Software Developer

Requirements analysis and automated test cases; new test environments and automated test flows.

C · Erlang · Java · JUnit · Spring · Git · Bash

References available on request.