





NIKOLAI KOCEV


SOFTWARE DEVELOPER & PILOT

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PROFILE

Former flight instructor turned developer, blending precision and discipline from aviation with a passion for technology. When the skies quieted during the pandemic, I discovered the world of Linux, open source, and software development. I thrive on learning, problem-solving, and building reliable systems. Outside of tech, I recharge through music—playing bass and exploring creativity in new forms.

SKILLS

- **OS:** Gnu/Linux | MacOS | Windows
- **Programming languages:**
JavaScript | Golang
- **Databases:** SQL | MongoDB
- **Version Control:** Git
- **Containers & orchestration:**
Docker | Kubernetes
- **Networking concepts:** OSI model |
TCP/IP | UDP/IP | DNS | Firewalls
- **Cloud:** Google Cloud Platform

EDUCATION

HIGHER VOCATIONAL EDUCATION

Teknikhögskolan - Fullstackutvecklare
Lund, Sweden.

Aug 2021 - June 2023

HIGHER VOCATIONAL EDUCATION

South Sweden School Of Aeronautics,
SPU Flight Academy:

CPL | ATPL | FI(A) | ME/IR | 550hrs

2010 - 2016

EXPERIENCE...

FREELANCE DEVELOPER LOOKING FOR EMPLOYMENT

Learning/improving: React, Golang, Docker & Kubernetes

Oct 2024 - Present

- While looking for employment, I actively build real-world projects in React, Golang, containerize applications with Docker, and orchestrate them using Kubernetes.
- I also explore AI concepts and cloud-native development to stay current with modern software engineering practices.
- Part-time substitute teacher at Östratornskolan, Lund.
- Aviation: renewed SEP (Land) and Instrument Rating, keeping my frozen ATPL theory current.

BACKEND DEVELOPER - IKEA - CDA

JS & GCP (Google Cloud Platform)

June 2024 - Sep 2024

Collaborated with another summer worker to build an Availability Test API that simulated customer clicks and purchases to validate the team's data pipeline. Strengthened my ability to work within large codebases and deepened my understanding of complex data flows by carefully studying and documenting system behavior.

SWEDISH ARMED FORCES

Amfibieregementet (Amf 1), GRK
(Mortar Platoon).

2009 - 2010

HIGH SCHOOL - SPYKEN

Naturvetenskapliga programmet,
Lund.

2004 - 2007

BACKEND DEVELOPER - IKEA - INTERACTION CORE

JS, Python (Locust), Redis & Bigtable, Bash, Docker, GCP

Feb 2023 - Aug 2023

During my second internship, my classmate and I conducted a thesis project comparing Redis and Bigtable to strengthen our team's understanding of modern data storage solutions. After completing the thesis, I continued as a summer developer at IKEA, working with two colleagues to design and implement a Bigtable API.

...EXPERIENCE

FRONTEND DEVELOPER - ONE NORDIC AB

C#, JS & Bootstrap

Apr 2022 - Jun 2022

During my first internship, I focused on enhancing the UX/UI design of the company's new website, improving responsiveness with Bootstrap, and integrating the Google Maps API. Following the internship, I was employed for an extra month as a summer worker, further contributing to web development and design tasks.

AIRPORT ANALYST - FLYGPRESTANDA AB

Gnu/Linux & Bash

Jan 2021 - Aug 2021

Updated an in-house database with new information (new runways, obstacles etc).
Created engine-out procedures on request from customers.

FREELANCE FIRST OFFICER - ROYAL AIR, BROMMA

C525

Oct 2019 - July 2020

Flew for a small private jet company (Cessna Citation CJ3). I was located in Stockholm.

KRISTIANSTAD & ESLÖV FLYGKLUBB - FI (PPL)

PA28, C152

Jan 2018 - Aug 2021

Flight instructor, taught students to fly small airplanes in Kristianstad and Eslöv, in Skåne County. Also flew tour flights for people who wanted to try flying.

SIMULATORPILOT - ENTRY POINT NORTH, MALMÖ

Simulatorpilot

Jan 2017 - Dec 2020

At EPN, I operated a specialized software simulation for ATC student training, executing aircraft control commands issued by the trainees. This role involved managing virtual aircraft within the simulated environment, providing a realistic and safe training experience to develop their air traffic control skills.