

Curriculum Vitae

NIKOLAI KOCEV

SOFTWARE DEVELOPER



TECHNICAL SKILLS

- **Operating Systems:** GNU/Linux, Windows, MacOS
- **Programming Languages:** JavaScript (including NodeJS), Java
- **Frontend:** HTML, CSS, React
- **Database Management:** SQL, MongoDB
- **Version Control:** Git
- **Containerization:** Docker, Kubernetes, QEMU (on Arch Linux), and other hypervisor technologies.
- **Networking:**
- Understanding of the OSI model.
- Hands-on experience setting up and managing a Raspberry Pi as a DNS sinkhole (Pi-hole), enhancing network security and efficiency.
- Familiar with network protocols such as TCP/IP, UDP/IP, DHCP, and DNS.

EDUCATION

- Teknikhögskolan - Fullstackutvecklare
- South Sweden School of Aeronautics
- SPU Flight Academy
- Swedish Armed Forces:
Amfibieregementet (Amf 1), GRK (Mortar Platoon).
- Gymnasieskolan Spyken, Lund,
Naturvetenskapliga programmet

GENERAL INFO

- **Specialization:** Backend Development and DevOps
- **Website:** nikyaviator.dev
- **Github:** [/nikyaviator](https://github.com/nikyaviator)

ABOUT ME

Hello!

My journey began in the skies as a flight instructor, where I honed my discipline and meticulous attention to detail.

When the aviation industry was disrupted by the pandemic, it made me pivot towards the technology sector.

And the way there was through the vast and evolving world of GNU/Linux and everything around it.

I carved out a new path for myself. A new purpose.

I am hungry and eager to learn new things and will achieve my goals through sheer work and discipline. I also took up playing bass guitar, which is very fun and inspiring.

CONTACT INFO

Email: nikyaviator@gmail.com

References:

Given on request.

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WORK HISTORY

Teknikhögskolan - Fullstackutvecklare - inriktning JavaScript

Student | Aug 2021 - June 2023

Higher vocational education, full-time, at Teknikhögskolan in Lund, Sweden. Length: two years (400 YH-poäng).

Two internships were integral components of the program.

History

Present
Oct 2024

Freelance Developer & DevOps Consultant

Node.js, React, GCP, Docker, Kubernetes

- Developed and maintained a portfolio website for my sister, an artist, using React, Express.js, and GCP Storage. [(<https://www.juliakocevas.com/>)]
- Built and managed cloud-based solutions leveraging Docker, Kubernetes, and Google Cloud Platform.
- Implemented DevOps practices, automating deployment pipelines and infrastructure to optimize performance and scalability.
- Currently developing AeroQuiz, a full-stack web application for aviation knowledge testing, featuring a React frontend, Node.js backend with Express, and deployed using Docker, Kubernetes, and GCP.

Sep 2024
June 2024

Backend Developer - IKEA - CDA

JS & GCP (Google Cloud Platform)

I teamed up with another summer worker to develop a Availability Test API. This innovative tool rigorously tests our entire data pipeline by simulating user interactions and purchases with custom payloads. It ensures data integrity and accuracy, verifying that events are processed and stored correctly. The API's flexibility in supporting custom payloads allows for comprehensive testing scenarios, effectively monitoring the performance and reliability of our data processing systems. This project significantly enhanced my development skills and underscored the importance of teamwork and collaborative problem-solving.

Aug 2023
Feb 2023

Backend Developer - IKEA - Interaction Core

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

During my second internship, at the suggestion of my boss, my classmate and I tackled a thesis comparing Redis and Bigtable to enhance our team's tech understanding. After wrapping up the thesis, I continued as a summer contractor from June to August, collaborating with two colleagues on developing a Bigtable API.

Jun 2022
Apr 2022

Frontend Developer - ONE Nordic AB

C#, JS & Bootstrap

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.

Aug 2021
Jan 2021

Airport Analyst - Flygprestanda AB

GNU/Linux

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

July 2020
Oct 2019

Freelance First Officer - Royal Air, Bromma

C525

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

Aug 2021
Jan 2018

Kristianstad & Eslöv Flygklubb - FI (PPL)

PA28, C152

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.

Dec 2020
Jan 2017

Simulatorpilot - Entry Point North, Malmö

Simulatorpilot

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.