Curriculum Vitae

NIKOLAI KOCEV

SOFTWARE DEVELOPER

GENERAL INFO

My name is Nikolai Kocev, and I am a junior software developer with a particular focus on JavaScript and Java.

- **Website: nikyaviator.dev**
- **Github: /nikyaviator**

QUALIFICATIONS

- GNU/Linux
- HTML & CSS (Bootstrap)
- JavaScript
- React
- Java
- SQL
- Git
- Docker

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

SELECTED EXPERIENCE

Backend Developer - IKEA - CDA

IKEA (Summer 2024): 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.

Thesis - Database Drag Racing

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

- Thesis together with my classmate Gustav H. We are comparing Redis with Bigtable. We wrote the API and the tests in Python. We used Locust framework for testing.
- https://github.com/NikyAviator/db_drag_racing

CONTACT INFO

Email: nikyaviator@gmail.com

References:

Given on request.

Curriculum Vitae

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

Aug 2024
June 2024

Backend Developer - IKEA - CDA
JS & GCP (Google Cloud Platform)

During my summer job, I collaborated with another summer worker to develop an Availability Test API. This API tests the entire data pipeline by sending custom payloads to simulate user interactions and purchases. It ensures data integrity and accuracy by validating that events are processed and stored correctly. The API supports custom payloads, enabling comprehensive and flexible testing scenarios to monitor the performance and availability of our data processing systems.

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 Flygklubb - FI (PPL)
PA28

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

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.