

Paripás Viktor

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Summary

I am a backend developer with 7 years of total software engineering experience with an engineering and math background, passionate about machine learning and statistics. Looking for remote opportunities.

Skills and technologies

- | | |
|------------------------------------|--|
| • Programming languages | Python JavaScript C++ MATLAB |
| • Web development | Django Flask Django REST Vue.js |
| • Data analysis & machine learning | scikit-learn NumPy Pandas PyTorch |
| • Cloud, containers & databases | Heroku AWS PostgreSQL MySQL Docker |

Professional experience

Kognity AB **Full-Stack Engineer** Aug 2022-
Stockholm, SE (Remote)

- Implemented features of teaching & learning platform, across the stack (Django & Vue.js) with backend focus, such as secure image upload or activity sheets
- Led backend projects such as a question service as dedicated responsible individual, leading to a more maintainable, decoupled and simpler codebase
- Revised database model architecture to decrease response times at certain endpoints by 90% (Django & PostgreSQL)
- Implemented event tracking for data analytics with Google Pubsub and Mixpanel
- Drafted detailed REST API guidelines and started migration of existing API to be compliant
- Wrote and acted upon blameless post-mortems to improve code quality, safety net and ways of working, to reach an uptime of 99.99%
- Acted as interim tech lead for a squad of five developers

Prorenata AB **Senior Backend Developer** 2020 - 2022
Stockholm, SE (Remote)

- Developed the REST API and backend services of cloud-based student healthcare administration platform Prorenata Journal in Django/DRF
- Improved system availability and response time by optimizing database transactions, identifying and resolving slow queries in Django/MySQL
- Implemented the backend of a new in-house customer support app to ensure storing of user data within the EU
- Implemented a patient portal with BankID integration increasing number of DAU by 100%
- Acting as release manager, responsible for deploying both patch updates and major releases

ÅF Digital Solutions AB **Software Engineer (Consultant)** 2018 - 2020
Solna / Södertälje, SE

Assignment for Powertrain & Control Development @ Scania

- Developed a web application to fetch and display the CI build warnings grouped by module and severity for 200+ developers. (Flask, SQLAlchemy)
- Developed tools for model-based design, in Matlab and Python

Assignment for Connected Diagnostics @ Scania

- Worked in a client team to develop an on-board application enabling the sending of over-the-air updates to truck ECUs in C++. Practiced test-driven development and implemented onion architecture model.

Robert Bosch Kft. **Software Engineer** 2017 - 2018
Budapest, HU

- Developed trajectory planning and control algorithms for driver assistance and autonomous driving systems

AVL Autókut Kft. **Software Engineer** 2016 - 2017
Budapest, HU

- Developed diesel exhaust aftertreatment system functions in MATLAB/Simulink

Analysis Engineer

- Performed multi-body simulation and NVH analysis of internal combustion engine powertrain components such as conrods or crankshafts in Abaqus and Excite.

Education

Luleå University of Technology 2022 - 2023
Computer Science and Engineering (MSc) - Applied AI; Completed 57.0 ECTS

KTH Royal Institute of Technology 2015 - 2016
Stockholm, SE
Master's degree project at the Department of Solid Mechanics (Exchange studies)

BME Budapest University of Technology and Economics 2010 - 2016
MSc in Mechanical Engineering - Applied Mechanics 120 ECTS
Distinguished Scholarship of the Republic (top 0.8%), 2 years in a row GPA 4.87/5

BSc in Mechanical Engineering - Mechanical Development 210 ECTS
GPA 4.67/5

Language proficiency

- **Hungarian** Native proficiency
- **English** Full professional proficiency (TOEFL level C2, 2021)
- **Swedish** Professional working proficiency (SVA2 level C1, 2021)
- **French** Limited working proficiency (level C1, 2015)
- **German** Limited working proficiency

Hobbies & interests

Playing the drums, mixology, traveling and learning new languages