Stan Fateev, Senior Software Engineer

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LINKS

PROFILE

Senior Software Engineer with over 10 years of expertise in Python, JavaScript, and other languages.

Played key roles in large projects, assisting companies in growth and strengthening their businesses. Strong in system design, performance profiling and optimisation, establishing efficient team processes. Quick adaptability to new environments and technologies has helped me succeed in the fast-moving industry.

Recently relocated to London after receiving a Global Talent Visa UK, seeking new opportunities to leverage my skills and experience.

EMPLOYMENT HISTORY

Nov 2022 — Present

Senior Software Engineer, Attraqt
London, United Kingdom

- Successfully migrated a complex micro-service app with a large code base (tech. stack: JavaScript, React, Java, Python, Celery, FastAPI, Docker) from AWS to GCP.
- Established logging and metrics dashboards on GCP, enhancing visibility and monitoring capabilities.
- Optimised the performance and efficiency of various Python services, leading to 25% improvements in application responsiveness and resource use.
- Performed several modifications in both back-end and front-end parts, adapting to the requirements and maximising system capabilities.
- Designed and implemented a robust deployment system that leverages GitHub Actions, Jenkins, and docker-compose, automating and simplifying deployment processes.
- Optimised entity extraction precision using Langchain framework with LLM - ChatGPT. Implemented dynamic creation of FAISS vector database, question-answering, and retrieving the data in a structured machine-readable format

My team has completely set up the application for its seamless merging into the main product.

Nov 2018 — Nov 2022

Senior Software Engineer, Traverz AG
Zürich, Switzerland

- Lead development of the back-end system (Python, JavaScript, Flask, FastAPI) and web-based user interface (React)
- Designed and executed technical blueprint, including diagrams and documentation; provided instructions to the business and to team members on system design, deployment, and maintenance (Miro, Confluence)
- Implemented advanced algorithms and natural language processing (SciPy, NumPy, SpaCy)
- Enabled platform to adapt to user behaviour and decision-making
- Integrated platform with e-commerce solutions (Shopify, Magento), and messaging platforms (WhatsApp, Telegram, Facebook Messenger).
- Performing onboarding and candidate application reviews.

That led to the acquisition of Traverz IP by a larger company in November 2022

Jun 2018 — Nov 2018

Consulting Software Engineer (Self-Employed)
Worldwide

- Providing software engineering services to clients across various industries such as sports, health, media.
- Specialising in full-stack development and experienced in project management and Agile methodologies
- Delivering architecture solutions that meet the specific needs of clients
- Understanding client needs and providing tailored solutions
- Consistently delivered projects on time and within budget

One of the project that I was working on the early stage received funding from UNICEF.

Jul 2017 — Nov 2018

Senior Software Engineer, magia.ai
Silicon Valley, California

- Developed virtual sales agent for consumer products (Python, PostgreSQL)
- Created complex NLU solution combining deep learning and sales psychology (SpaCy)
- Deployed to multiple retailers, including a $4B wine retailer
- Reached over 120,000 MAUs

Dec 2015 — Jul 2017

Software Engineer, shvl.com

- Full stack developer of the backend platform written in Python (Django) and frontend part (modern frontend frameworks - VueJs, ReactJs).

- Developed the natural language processing part and named entity recognition/extraction from the scratch.
- Created a flexible system to index large amounts of the data in the reasonable time

Oct 2016 — Mar 2017

Software Engineer, FDRTranscripts.com

- Full stack development of the non-profit podcast transcription web application from scratch:
  - backend part (Django/django-rest-framework)
  - frontend part (AngularJS)
  - integration with different APIs (Google, Stripe)

Jul 2015 — Aug 2016

Software Engineer, ChineseVault.Com

- Development of the language teaching web application:
- Major refactoring of legacy backend codebase (Django/Tastypie)
- Major optimization of the performance of the backend API for the production environment (high load)
- Continued development of the frontend part (AngularJS)
- Adding new critical features
- Integration with Stripe

Dec 2012 — Jul 2015

Fullstack Web Developer (Freelance)

- Various software projects for eCommerce

EDUCATION

Sep 2002 — Jun 2007

Master's Degree   Moscow

SKILLS

Python (FastAPI, Flask, Django, Celery)	SQL (MySQL, PostgreSQL)
	Git
JavaScript (React)	Bash
Docker	Langchain
ML (NumPy, SciPy, Pandas)	Apache Kafka
NLP (SpaCy, NLTK)	NoSQL (MongoDB)
Clouds (AWS EC2, GCP)	GraphQL
LLM (ChatGPT, Langchain)	

HOBBIES

Hiking, Camping, Gym

LANGUAGES

English   Russian

PATENTS

Aug 2022

WO2022171272A1 Computerized methods for enabling users to gradually interact with a database associating items with features

https://patents.google.com/patent/WO2022171272A1/

This patent is for a method enabling users to interact with a database that associates items with features. The method involves creating static and dynamic datasets, the latter being updated with user input during search processes. Computational cycles are performed without querying the database, updating and storing values, and ordering items in the memory. The operation is typically a matrix-vector product. The method prompts the user to provide more input based on the updated dynamic dataset, and instructs the display of an array of highest-ranked items with their associated features.