Ivan Kharakhashyan

Senior Python Engineer

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⌕ https://github.com/ivankharak   🔗 https://ivanportfolio-gray.vercel.app/

Profile Summary

- *Program languages: Python, Javascript, SQL, PHP, C/C++, HTML/CSS, Shell script*
- *10+ years of experience with **Backend Development** using **Django(Django Rest Framework), Flask, FastAPI and Node.js***
- *7+ years of experience with managing **structured and unstructured data** using **PostgreSQL**, **MySQL**, **MongoDB, AWS DynamoDB, Azure CosmosDB, Neo4j***
- *7+ years of building and managing CI/CD pipeline using **Docker, Terraform, Kubernetes, Ansible, Vagrant, VirtualBox***
- *7+ years of Cloud Experience with **AWS, Azure and GCP***
- *5+ years of Frontend Development with **React and Vue***
- *Strong experiences with writing fully **maintainable/scalable and test driven code** using like **PyTest, Jest, Testing, etc***
- *Solid experiences with **asynchronous task** queue implementation using **Celery, Redis, RabbitMQ***
- *Using **OpenAI**, Integrated GPT model, Designed and Trained custom language model*
- *Third-party APIs integration such as **Stripe, Paypal***
- *Full text search functionality using **Elasticsearch, AI search***
- *Data scraping with **Scrapy, BeautifulSoup, Spider** and automation testing with **Selenium***
- *Data visualization with **Ploty, Dash, D3, Looker, Sisense***
- *Big data engineering with **PySpark, Pandas, DBT and Snowflake***
- *Project/Task Management** using **Agile Scrum, Kanban, Jira, Azure Devops, Clickup, Atlas, Swarmia***
- *Linux experience** with **Shell script***

Professional Experience

06/2018 – Present
London, UK

Senior Python Engineer, *Peiko*
- *Architected several successful projects of clients (**E-Commerce Marketplace, Financial Loan Solution**, **eLearning**, **Healthcare**)*
- *Guided and instructed junior developers on industry **best practices** for writing **maintainable** and **scalable** code during meticulous code reviews; led to increase in code quality and **reduction** in technical debt within **Django (DRF/Graphene), Flask, FastAPI(Strawberry)**.*
- *Integrated **third-party APIs** to ensure a seamless customer experience using **OpenAI(LLM)**, **Elasticsearch**, **Stripe** and etc.*
- *Wrote custom Python scripts for data manipulation that saved the company approximately 10 hours of manual work per week.*
- *Collaborated with a cross-functional team to **integrate machine learning algorithms**, resulting in a improvement in data processing efficiency.*
- *Spearheaded the implementation of a revolutionary **RESTful API**, revolutionizing data retrieval procedures and **fortifying** system performance, leading to surge in customer engagement and an enhancement in data accuracy.*

06/2012 – 02/2018 Jalan Lekar, Singapore	**Python Engineer,** *Qian*
	• *Built a **serverless API** using Node.js and **AWS Lambda** functions that connects a web application to a **third-party service**, such as **SendGrid**, to send email or SMS notifications.*
	• *Developed progressive web apps with **Django**, enhancing mobile user **engagement** by more than 50%.*
	• *Designed and implemented a database system in PostgreSQL that **optimized storage** and retrieval operations.*
	• ***Optimized** existing backend code, leading to a **reduction** in **server response** time..*
	• *Assisted in transitioning the development environment to **Azure** resulting in a more consistent deployment process.*
	• *Performed extensive **code review**s to enforce coding standards and improve application's **security** and **scalability**.*
08/2009 – 03/2012 California, USA	**Python Developer,** *Toptal Freelance*
	• *Worked various **Django** projects along with HTML, CSS, JavaScript, Bootstrap*
	• *Improved the **user experience** by implementing **infinite scrolling**, and **smooth animations***
	• *Monitored **backend servers** and **database** performance using **Datadog** and **Azure**.*
	• *Implemented data validation and cleansing logic in the backend system using **Python** to ensure the **accuracy** and **integrity** of financial data.*

Education

2005 – 2009 Stockholm, Sweden	**Bachelor of Computer Science,** *Stockholm University* Web Development and Software Engineering

Projects

BURROW (B2C Ecommerce, React, Django, GraphQL) 🔗

• *I contributed to developing this **web platform** that connects **families caring for elder individuals** with **senior care professionals** and provides guidance throughout the journey.*

E-commerce site and internal production management system 🔗

• *Modernized a decade-old **legacy Django project** from a monolithic architecture to a **microservice design** using **Django Rest Framework** and React/Nextjs for the frontend (Project stack - Django, Django Rest Framework, React, Next.*

Roomster, Real Estate, React, Flask, Airbnb-like, GIS 🔗

• ***Roomster** is an **Airbnb-like social platform** for people around the world who are looking for roommates to live with. It has 5+ million active listings in different countries all over the world and 3+ million active users every month. It has a website built with **Python/Flask, and React**.*

ORION Trading Terminal (React, Django, DeFi) 🔗

• *Develop and maintain high-performance, **scalable**, and **user-friendly** trading terminal for ORION.*

Stringboard: Visual Sales CRM 🔗

• *My role involved building the platform's **interactive features**, such as visual stakeholder maps, and ensuring that these elements are integrated smoothly with the **backend systems** that handle **data management and analytics**. This functionality allows sales teams to create detailed profiles of each stakeholder and track their individual journeys towards making a purchasing decision.*