

Ivan Kharakhashyan

Senior Python Engineer

✉ ivankharak@gmail.com ☎ +46 317 537 759 📍 Holm, Sweden

🌐 <https://github.com/ivankharak> 🔗 <https://ivanportfolio-gray.vercel.app/>

Profile Summary

With over a **decade** of experience in backend development using **Django, Flask, FastAPI, and Node.js**, I bring a deep understanding of building **robust and scalable** applications. My expertise extends to managing **cloud platforms (AWS, Azure, GCP), CI/CD pipelines, and diverse databases**. I am proficient in both **frontend (React, Vue)** and backend technologies, ensuring seamless integration for full-stack development. Additionally, I specialize in **AI, data visualization, big data engineering, and third-party API integrations, delivering comprehensive, data-driven solutions** with a focus on maintainability and efficiency.

Skills

Python, Javascript, SQL, PHP, C/C++, HTML/CSS, Shell Script	● ● ● ● ●	Django, Flask, FastAPI and Node.js	● ● ● ● ●
PostgreSQL, MySQL, MongoDB, AWS DynamoDB, Azure, CosmosDB, Neo4j,	● ● ● ● ●	Docker, Terraform, Kubernetes, Ansible, Vagrant, VirtualBox	● ● ● ● ●
AWS, Azure and GCP	● ● ● ● ●	React and Vue	● ● ● ● ●
Pytest, Jest, Testing, etc	● ● ● ● ●	Celery, Redis, RabbitMQ	● ● ● ● ●
Elasticsearch, AI search	● ● ● ● ●	Ploty, Dash, D3, Looker, Sisense	● ● ● ● ●
OpenAI, Integrating GPT model, Designing and Trained custom language model	● ● ● ● ●	Data scraping with Scrapy, BeautifulSoup, Spider and Automation Testing with Selenium	● ● ● ● ●
PySpark, Pandas, DBT and Snowflake	● ● ● ● ●	Agile Scrum, Kanban, Jira, Azure, Devops, Clickup, Atlas, Swarmia	● ● ● ● ●
Linux experience with Shell script	● ● ● ● ●		

Professional Experience

06/2020 – Present Dallas, USA	Senior Python Engineer, Fabius Labs <ul style="list-style-type: none">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.
----------------------------------	--

06/2017 – 02/2020
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 reviews** to enforce coding standards and improve application's **security** and **scalability**.

08/2014 – 03/2017
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

2010 – 2014
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.