

Junior developer with expertise in backend

I am a young programmer interested in backend development. I have hands-on experience with programming languages such as Python and Golang and databases(PostgreSQL,MySQL).Beyond my technical skillset, I bring a solid understanding of finance and machine learning, thanks to my academic background and prior projects in computer vision. I'm enthusiastic about cloud-native architectures, cybersecurity, and automation, and I'm keen to explore these further in an environment where adaptability and cross-project collaboration are key.

Technical Skills

Programming Languages	: Python, Golang, Pascal, C, C++, Assembler
Databases	: PostgreSQL, MySQL
Dev Tools	: Visual Studio Code, Git, Gitlab, Docker, k6

Work Preferences

I am available to work 40 hours per week and am based in London, allowing for on-site work in most cases. I am also open to relocation.

Work Experience

Laboratory of Computer Vision	Python, OpenCV, Torch	February 2024 – May 2024
Lab Assistant		Financial University
<ul style="list-style-type: none">Assisted in developing computer vision algorithms for tasks such as object detection, image segmentation, and classification.Evaluated the efficiency of Python-implemented algorithms by analyzing experimental results using Torch and OpenCVConducted experiments with real-world image datasets to test algorithm performance.		
Electric Vehicle Charging Platform	Golang, OAuth, MySQL, React, Stripe	September 2024 - December 2024
Backend Developer		Future Fuelling
<ul style="list-style-type: none">Volunteered to developed a full-stack EV charging platform for 10,000+ users, enabling real-time discovery, reservations, and secure payments with JWT authentication and seamless OAuth integration.Optimized 500,000+ charging station records from OCD with AWS RDS.		

Education

Financial University under the Government of the Russian Federation	Moscow, Russia
Bachelor in Applied Mathematics and Computer Science	September 2020 – May 2024
City St George's, University of London	London, UK
MSc in Software Engineering with Cloud Computing	September 2024 – October 2025

Projects

Project 1: Banner Service	Golang,Docker,Redis,Postgres,K6	Source ↗
<ul style="list-style-type: none">Developed a service allowing banners to be retrieved and modified based on set queriesCreated a registration and authentication system.Conducted load testing to determine the server's maximum load capacity.		
Project 2: Link Shortener Microservice	Golang, Docker, gRPC, Postgress	Source ↗

- Designed and implemented a vertically scalable link shortener service with dynamic database configuration for flexible deployment and maintenance
- Developed a robust and production-ready API for link storage and retrieval, utilizing gRPC and REST for cross-platform compatibility.
- Configured the server architecture to support seamless deployment of both HTTP/1.1 and HTTP/2.0 servers.

Project 3: Marketplace

Golang, Docker, Postgress

[Source](#) ↗

- Developed a robust and production-ready marketplace Rest API using Gin with PostgreSQL for persistent storage, implementing user sign-up/sign-in and JWT-based auth
- Designed and implemented paginated,filter able listing endpoint(price range,order sort) with efficient DB scopes and pagination helpers

Project 4: Serverless chat room with AI

JavaScript, Cloudfare workers,Durable object

[Source](#) ↗

- Built a server less chat platform using Cloudfare Workers and Durable Objects,ensuring strong consistency and low latency globally
- Implemented bidirectional WebSocket handling to manage real-time message broadcasting and session state for concurrent users
- Integrated AI(Llama-3) to process chat history and generate concise,on-demand conversation summaries

Certificates

- [Course "Introduction to Databases" by HSE and SPbPU](#) ↗
- [Big Data Course "Career Accelerator.Byte" by Gazprombank](#) ↗
- [Course "Neural Networks and Computer Vision" by Samsung](#) ↗
- [Course "Algorithms Training 4.0" by Yandex](#) ↗
- [Course "Learning Docker" by LinkedIn Learning](#) ↗