Illia Borshch

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EXPERIENCE

Software Engineer   July 2023 – Present
Optimised Group   *Bristol, UK*

- Developed a Chat-Bot application by leveraging the OpenAI API to fine-tune the model based on ChatGPT for our internal portal and SharePoint using SPFx
- Worked on a web-service for logging engineering bills and sensors using OutSystems, JavaScript & Azure SQL Server for processing extensive volumes of data and handling +50,000 resource-intensive requests on a daily basis.
- Worked on a PowerBI migration with our service using PowerBI JavaScript API. This update has notably enhanced the user experience and has opened up a new opportunity for our team to effectively manipulate Gigabytes of incoming data.
- Designed and built Microsoft SSO solution, using the Microsoft Azure API. This solution achieved 10% reduction in login-related security incidents.
- Was the lead developer of integration applications for CRM systems such as Salesforce, SimPRO field management system, and expense systems such as Navan, resulting in improved operational efficiency and enhanced system interoperability.

Backend Software Engineer   March 2024 – September 2024
Bot Factory

- Was a solo system designer and backend developer of a web-application leveraging microservice architecture for a startup providing no-code chat-bot integration solutions
- Built a gRPC SSO microservice which handles user authentication and authorization with a use of secure OAuth2 and JWT token protocols and Go language.
- Developed a REST API backend application in the Clean Architecture leveraging functionality of MySQL database, Go Gin framework and the gRPC SSO microservice.
- Implemented a Go library for interacting with OpenAI Assistants API which is successfully used in the backend microservice.
- Built CI/CD pipelines, setup GitHub Actions workflow for SSO Protobuf code auto-generation, Docker-compose for the whole set of microservices, Makefile for convenient auto compilation.
- Created a light-weight migrator microservice to consistently handle MySQL migrations.

PROJECTS

TO-DO List | *Python, Django, SQLite, JavaScript, Flower, Celery, Redis*   Nov. 2023 – Dec. 2023

- Solo built Web "TO-DO List" application from scratch using Django, leveraging its ORM capabilities and following the Model-View-Controller (MVC) design pattern.
- Developed CRUD SQL operations for Blog and User models. Worked with HTML, CSS, JavaScript and Python Jinja3 to create user-friendly UI/UX.
- Implemented secure authorization by employing both the OAuth2 and JWT-Token protocols.

leetGO | *Go, Gin, GORM, MySQL, Docker, Redis*   . Dec. 2024 – Feb. 2024

- Developed a full-stack application using Golang Gin framework for backend side of the application and using Go templating library for front-end.
- Implemented MySQL repository module using GORM framework for problem, tag and user domains.
- Built a Go Execution Engine microservice which securely executes client's Golang code in an isolated Docker environment.

EDUCATION

St. Brendan's Sixth Form College   Bristol, UK
Computer Science (*A), Mathematics (*A), Further Mathematics (A)   *Sept. 2023 – Present*

TECHNICAL SKILLS

Languages: Go, SQL, C++, Python, JavaScript
Frameworks: Gin, Fiber, GORM, Go STD, FastAPI, Selenium, Outsystems, SPFx
Storage & Database: MySQL, Redis, MongoDB, SQLite
APIs and Protocols: REST, gRPC, Protobuf, GraphQL, Swagger, Postman
Other: Git, RabbitMQ, CI/CD, Docker
Software Architecture: Microservices, OOP Design Patterns, Algorithms & Data Structures