

Illia Borshch

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SUMMARY

Motivated Year 13 student looking for a **degree apprenticeship** in the **Software Engineering** industry. As a **collaborative** and **communicative** individual with solid interpersonal skills, I thrive in team settings and enjoy taking on **leadership roles**. I am passionate about working with others to achieve **shared objectives** and drive **creative, innovative** solutions.

EDUCATION

St. Brendan's Sixth Form College Bristol, UK
Computer Science (A), Further Maths (A*), Maths (A), Music Tech (A) (predicted)* Sep. 2023 – Present

Writhlington School Writhlington, UK
Computer Science (9), Maths (9), Science (8 & 7), History (7), English Lang. & Lit. (5) Apr. 2022 – Jun. 2023

EXPERIENCE

Software Engineer Jul. 2023 – Present
Optimised Group Bristol, UK

- Designed and developed a web service for logging engineering data using OutSystems, JavaScript, and Azure SQL, effectively processing over 50,000 daily requests.
- Led integration projects for CRM systems, utilizing REST APIs and webhooks of platforms like SimPRO, HubSpot, and Kimble, using Go language. Ensured clear alignment across team by effectively communicating complex technical requirements with system analysts and software developers.
- Implemented a Microsoft Single Sign-On (SSO) solution using the Microsoft Graph API, reducing login-related security incidents by 20% and enhancing overall user experience.
- Worked in a team of developers on a PowerBI migration project using the JavaScript API, increasing data manipulation capabilities by 33%. Actively participated in team meetings and coordinated with developers, project managers, and business analysts, demonstrating strong teamwork and communication skills.
- Developed a Chat-Bot application using the OpenAI REST API and Python. Integrated the app with our internal user portal and SharePoint using SPFx framework, resulting in a 26% increase in internal communication efficiency.
- Collaborated within a cross-functional team to consistently meet project deadlines, demonstrating effective communication and leadership skills that resulted in a 95% on-time project delivery rate.

Backend Software Engineer Apr. 2024 – Aug. 2024
Bot Factory Remote

- Demonstrated adaptability and a commitment to learning by quickly mastering new tools and frameworks such as Docker, RabbitMQ, and Swagger within tight timelines to meet evolving project requirements.
- Implemented a lightweight Go-based migrator microservice to handle MySQL migrations, ensuring reliable roll-up and roll-back functionality through careful testing and attention to detail.
- Delivered a gRPC SSO microservice using Go, proactively ensuring secure user authentication and authorization for over 1,000 daily users through OAuth2 and JWT protocols, reducing authentication-related issues by 30% and enhancing overall user experience.
- Built CI/CD pipelines using GitHub Actions, Docker and Makefile, reducing deployment time by 80% and fully automating the deployment process.
- Owned the system design for a startup's web application, utilizing a microservice architecture to deliver scalable and efficient no-code chat-bot integration solutions, while collaborating on the backend development of microservices.

PROFESSIONAL DEVELOPMENT

AWS Course: Amazon DynamoDB for Serverless Architectures

October 2024

- Completed the Amazon DynamoDB for Serverless Architectures course on the "AWS Training and Certification" platform to gain familiarity with AWS services and Amazon's technical products, deepening my expertise in serverless architectures and NoSQL databases. This experience enhanced my understanding of best practices for building microservices using AWS, specifically with DynamoDB.
- Gained confidence in implementing serverless architectures and furthered my knowledge by independently researching additional AWS products such as Lambda and S3, showing my commitment to continuous learning and staying up-to-date with modern technology trends.

TECHNICAL SKILLS

Programming Languages: Go, Python, SQL, JavaScript

Frameworks: Gin, Fiber, GORM, Selenium, Outsystems, Django, SPFx

Storage & Database: MySQL, Azure SQL Server, Redis, SQLite, DynamoDB

APIs and Protocols: REST, gRPC, Protobuf, SMTP, OAuth2.0

Other: Git, RabbitMQ, CI/CD, Docker, Swagger, Postman, GitHub Actions

Software Architecture: Microservices, OOP Design Patterns, Algorithms & Data Structures

PROJECTS

TO-DO List | *Python, Django, SQLite, JavaScript, Flower, Celery, Redis*

Nov. 2023 – Dec. 2023

- Independently built a 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 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 HTMX templating library for frontend.
- Implemented MySQL repository module using GORM framework for problem, tag and user domains.
- Built a Go Execution Engine microservice which securely executes client's Go code in an isolated Docker environment.

ACHIEVEMENTS

Languages

Fluent in English, Ukrainian, and Russian languages

Senior Mathematics Challenge

Silver Award

Kyiv Mathematics Olympiad

Gold medal

Special Recognition 2022

Writhlington School – for leadership and outstanding contribution to wellbeing of the school

School Prefect

Writhlington School Y11

Y11 Maths & Computer Science Subject Award

Writhlington School Y11