

Pavlo Nazarchuk

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EXPERIENCE

Backend Developer

Vigil

September 2025 – Current

Amsterdam, Netherlands

- Set up and deployed a **Jenkins CI/CD pipeline on AWS** to automate testing and pre-deployment validation, reducing release failures by over **25%** and improving delivery reliability.
- Developed and optimized **Python-based backend services** and **PostgreSQL schemas**, implementing the **Public AI Assistant** feature that helped secure **two new enterprise clients**.
- Refactored and debugged **legacy codebases**, collaborating with the CTO to improve **system architecture, performance, and security**, enhancing scalability and maintainability.
- Created an automated **24-hour log analysis pipeline** that generates daily error summaries, enabling the team to focus on high-priority issues and improving incident response efficiency.

Associate Developer

Sky UK

July 2022 – July 2023

Osterley, UK

- Designed and implemented a **CI/CD pipeline for end-to-end automation tests**, reducing testing time by **35%** and enhancing deployment efficiency, ensuring faster and more reliable software releases.
- Developed and integrated **multiple containerized data services**, enabling seamless interaction between web applications and background services, improving system scalability and performance.
- Built **automation tools using Jenkins, React, and Python** to streamline team workflows, while also resolving critical bugs in a large legacy codebase, ensuring smooth operation of background services.
- Designed and deployed **full-stack applications with API services** using **NGINX and Docker**, optimizing performance and improving the reliability of software infrastructure.

EDUCATION

University of Surrey

Masters of Computer Science - First Class Honours (Integrated)

Guildford, UK

September 2020 – July 2025

PROJECTS

Medical Named Entity Recognition | Python, Spacy, React, MongoDB, Docker



- Developed a **medical Named Entity Recognition (NER) model** using state-of-the-art architectures, achieving **state-of-the-art accuracy (99.3%)** on internal validation data for medical entity extraction and addressing challenges like noisy input and context variation.
- Built a **web application** with automated NER processing and data annotation, reducing manual effort by 78%, simplifying deployment with Docker, and integrating a user-friendly interface for **100+ medical personnel**.
- Designed an **automated multi-stage training pipeline**, enabling seamless integration of new medical data, improving model adaptability and performance in real-world applications.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, HTML/CSS

Databases: SQL, MySQL, MongoDB, PostgreSQL

Cloud/DevOps: Docker, Google Cloud, AWS, GCP, Jenkins, NGINX

Frameworks/Libraries: React, Node.js, Flask, pandas, PyTorch

PROFILE

I am a highly motivated and competitive individual, committed to achieving the best possible results and continuously developing my professional skills. I trust in my creativity and imagination to generate innovative and practical solutions for any challenge. I constantly strive to be the best version of myself in all areas of life. Furthermore, I believe that knowledge is boundless, a limitless measure that can always be expanded.