Diana Percatkina

London, UK | ✉ diana.percatkina@outlook.com | 📞 +44 7553340734 | 🌐 LinkedIn

Personal Summary

Innovative and detail-driven software engineer with robust experience in designing and implementing scalable, high-performance systems. Proficient in cloud infrastructure, backend development, and automation, with a proven track record of deploying user-centric and reliable software solutions. Adept at building robust architectures and ensuring system optimization through hands-on expertise in scripting, full-stack development, and DevOps tools. Passionate about solving complex technical challenges and delivering impactful solutions in collaborative environments.

Professional Experience

Storage Engineer

UBS, 2023

- Engineered scalable storage systems leveraging Azure, NetApp ONTAP, and Kubernetes.
- Automated infrastructure deployment and maintenance with Terraform, Bash, and PowerShell.
- Improved system efficiency by implementing Docker-based container solutions and integrating BlueXP.
- Enhanced operational workflows by scripting and optimizing processes on Linux Red Hat environments.
- Delivered training on cybersecurity best practices to junior engineers.

Graduate Trainee

Wiley Edge, 2022

- Acquired deep expertise in distributed systems and financial tech through intensive training and practical projects.
- Designed and deployed cloud-based solutions using AWS and Python for backend logic.

- Implemented database management systems with MySQL, ensuring accuracy and efficiency in data handling.
- Streamlined development cycles by automating CI/CD pipelines and collaborating with cross-functional teams.

Backend Developer (Freelance)

2022

- **Custom Job Search Board**: Architected and implemented backend systems for job listing functionalities. Designed REST APIs with Vue.js and Express, integrating MongoDB for scalable data storage.
- **Online Chat Platform**: Built a fault-tolerant chat application with real-time messaging using Node.js, Express, and WebSocket protocols, ensuring high availability.

Technical Projects

Personal Resume Website

- Designed and developed a responsive personal portfolio website showcasing professional experience, projects, and technical skills.
- Ensured a seamless user experience with intuitive navigation and modern design principles.
- Technologies: HTML, CSS, JavaScript

Car Parking Finder App

- Designed a cross-platform app for real-time parking location and booking using Google Maps API and Firebase.
- Technologies: C#, .NET, Xamarin, SQL, Firebase.

Weather Application

- Created a responsive platform for real-time weather updates using Open APIs and robust error handling.
- Technologies: Node.js, HTML/CSS.

Crime and House Prices Data Visualization

- Built an interactive data visualization tool overlaying crime statistics and housing costs.
- Technologies: Python, Pandas, NumPy, Excel

Real-Time Chat Application

- Developed a global live chat platform with real-time messaging and unique room creation capabilities.
- Technologies: Node.js, JavaScript, HTML/CSS, NoSQL.

Technical Skills

- **Programming Languages:** Python, C#, Bash, JavaScript, TypeScript, SQL (MySQL, PostgreSQL, MSSQL, Oracle, SQLite), Terraform, PowerShell, C, C++, HTML5, CSS3

- **Frameworks and Libraries:** .NET (ASP.NET), Django, Flask, React, React Native, Vue.js, VuePress, Bootstrap, PyTorch, Apache Cordova, CanvasJS, Xamarin

- **DevOps & Cloud Platforms:** AWS, Azure, GCP, Heroku, Terraform, Azure Pipelines, Linux

- **Infrastructure & Virtualization:** Distributed systems, CI/CD pipelines, OS-level optimization (CPU, Memory, Networking), virtual machines, NetApp ONTAP, cluster management

- **Databases:** PostgreSQL, MongoDB, Firebase, MySQL, MSSQL, Oracle, SQLite

- **Tools:** Git, Postman, Zapier, Adobe XD, NetApp OnCommand

Core Competencies

- Distributed Systems Design
- Scalable Architecture and Deployment
- Fault-Tolerant Systems and Automation
- Team Collaboration and Communication