

CONTACT

PROFESSIONAL SUMMARY

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SKILLS

- Agile methodologies
- API design
- Automated Testing
- Cloud computing concepts
- Continuous Integration/Continuous Delivery (CI/CD)
- Data science
- DevOps principles
- Front-end development
- GitHub/Git VC
- HTML/CSS
- UX/UI design
- Website optimisation

EDUCATION

09/2021-07/2014
Solent University, Southampton, UK
Bachelor of Science (BSc):Software Engineering

- First-Class Honours
- Developed a strong foundation in software development, problem-solving, and emerging technologies.
- Gained proficiency in programming languages such as Python, Java, and JavaScript, focusing on data structures, algorithms, and object-oriented design (OOD).
- Practical experience in database management systems with SQL and NoSQL databases, including PostgreSQL, MySQL, and MongoDB.
- Studied web technologies such as HTML, CSS, JavaScript, and PHP to build dynamic, client-server applications.

A highly skilled and dedicated software engineer with a first-class Honours degree in Software Engineering from Solent University, UK, possessing a robust foundation in full-stack development. Expertise spans front-end and back-end technologies, including Vue.js, React, Tailwind, Flask, Node.js, and PostgreSQL. A strong academic background, combined with hands-on project experience, enables the design, development, and maintenance of complex web applications. Proficiency in Agile and DevOps methodologies ensures effective collaboration within cross-functional teams to deliver scalable and reliable software solutions. Committed to leveraging technology to address real-world challenges and to tackling new opportunities in mission-critical environments.

WORK HISTORY

DataMango: Front-End Developer
Southampton, UK 2024 - University project

- Developed and integrated the front-end of a carbon footprint measurement application for a sustainability startup
- Used Vue.js and Tailwind for responsive design and vue-chartjs for data visualization
- Created an intuitive and user-friendly interface that integrated seamlessly with back-end services
- Worked closely with the back-end team to ensure smooth data flow and optimized performance
- Contributed to the success of the project by adhering to Agile development practices

DevOps & React Developer
Southampton, UK 2023 - University project

- Collaborated within a team to design and develop a full-stack web and mobile application for managing points of interest (POI) across a city.
- Focused on React front-end development and integrated OpenStreetMap for real-time POI visualisation, ensuring the map was fully interactive and responsive.
- Implemented DevOps practices to streamline deployment and CI/CD, ensuring smooth project rollouts and high-quality code through automated testing and version control.

- Explored networking and security principles, working with network simulators to apply real-world networking protocols and technologies.
- Worked on mobile app development and web application development, utilizing Vue.js, React, and Tailwind.
- Focused on DevOps practices, including CI/CD pipelines, automation, and cloud platforms like AWS and Azure.
- Conducted in-depth research for a dissertation project, developing a functional software solution using Python, Flask, and PostgreSQL.
- Studied data science techniques such as data visualization, prediction algorithms, and data pre-processing using Pandas, NumPy, and Matplotlib.
- Collaborated on an industrial consulting project, solving real-world problems in partnership with external organizations.

PROJECTS

Matching Project Allocation System

2024 – Final Year Project

- Designed and developed a web application to automate the allocation of tutors to students for their final year projects.
- Implemented a dynamic, user-friendly interface using Vue.js, and a back-end API with Flask and PostgreSQL for database management.
- Delivered a successful solution that significantly reduced manual intervention in the project assignment process.

3D Printing Order Management System

2023 – University Project

- Developed a Node.js-based order management system for 3D printing services, allowing users to submit print jobs and track their progress.
- Integrated MongoDB for data storage and managed real-time updates on job status, improving workflow efficiency.

EletroBit: IT Technician

Porto, Portugal 2018-2019

- Provided technical support to customers, diagnosing and resolving hardware and software issues in a timely manner.
- Managed inventory and stock levels for IT equipment, ensuring availability of critical components for business continuity.
- Led troubleshooting, maintenance, and repair efforts for systems, contributing to a significant reduction in downtime and improved operational efficiency.

GLM System: Security Systems Technician

Porto, Portugal 2016- 2017

- Installed and maintained complex security systems, including CCTV, fire alarms, and network security systems, ensuring the safety and security of client premises.
- Worked directly with clients to understand security needs and design tailored solutions, improving overall client satisfaction and system performance.

ISPGaya: Intern Computer Assistant

Porto, Portugal 2014-2014

- Provided IT support to students and staff, handling troubleshooting and maintenance of various IT systems.
- Maintained school-wide IT infrastructure, ensuring equipment was fully functional and up to date, supporting daily academic and administrative tasks.