Joseph Hare

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Profile

First-Class Software Engineering graduate from the University of Kent (80% average) with strong experience in Java, data structures and algorithms. Proficient in Python, JavaScript, SQL, HTML, and CSS, with experience in building high performance and scalable systems using microservices, Docker and Kubernetes. Proven ability to learn new technologies quickly and collaborate effectively within Agile teams. Passionate about applying technical and analytical skills to financial technology.

Skills

Programming Languages: Java, JavaScript, Python, HTML, CSS, SQL, PHP, React
Frameworks & Tools: Docker, Kubernetes, React, Spring Boot, Node.js
Databases: PostgreSQL, MySQL
Key Concepts: RESTful APIs, Microservices, MVC, TDD, Agile (SCRUM), Cloud Computing
Soft Skills: Problem-solving, Teamwork, Communication

Projects

Final Year Project – Full-Stack Microservices System
Technologies: JavaScript, React, HTML, CSS, Spring Boot, Docker, Kubernetes, SQL, Gradle, RESTful APIs
• Built a full-stack system to manage final-year student projects using microservices architecture.
• Built and optimised a custom matching algorithm in Java, utilising data structures for efficient allocation.
• Developed a RESTful backend (Node.js & Express) with SQL Server (PostgreSQL) for complex relational queries
• Containerised services with Docker and deployed using Kubernetes, gaining experience with distributed system orchestration, scalability and resilience.
• Configured NGINX Ingress on OpenStack Cloud allowing global accessibility.
• Integrated GitLab CI/CD pipelines to automate builds (test & deploy stages in progress).
• Deployed the system live at a university fair to gather user feedback.
• Applied Agile methodologies (Daily SCRUMs, weekly sprints, GitLab version control, professional documentation).
• Collaborated with the module convenor for potential production-level deployment.

FinTech Web Application
Technologies: PHP (CodeIgniter MVC), MySQL, Authentication, Transactions
• Built a full-stack fintech website with secure user authentication and real -time transaction handling.
• Applied concurrency control and database integrity to maintain a reliable backend.
• Delivered project with strong domain understanding, graded 90%.

GP Management System (Team of 4)
Technologies: Java, Java Swing, SQL,MYSQL
• Built a front-end and back-end system to manage GP appointments and patient registration.

- Connected to a database of patients/doctors and implemented notification features.
- Followed Agile methodology with weekly sprints and progress tracking.
- Utilised Test Driven Development to improve reliability of code.

Education

University of Kent – BSc (Hons) Software Engineering
Graduated: July 2025 | Final Grade: First Class (80%)
Key Modules: Web Development (87%), Computer Systems (90%), Database Systems (90%), Cyber Security (82%), AI (78%), Algorithms (89%), Data & Text Analysis (96%), CI for Economic Systems (90%), Cyber Security (76%), Blockchain Systems (80%)

Chislehurst and Sidcup Grammar School
Sept 2015 – July 2022
A-Levels: Economics (A), History (A), Computer Science (B)

Work Experience

Crew Member – Alpha Crew Ltd
June 2022 – Sept 2025
- Supported large-scale corporate event setups, working closely with clients and ensuring team compliance with health and safety protocols.
- Played a key role in team coordination and communicating client needs to ensure high-quality execution.

Customer Assistant – Sainsbury's
Dec 2022 – Jan 2023
- Handled in-store customer enquiries and processed online orders efficiently.
- Developed customer service, time management, and multitasking skills.