

Paul RAMSDEN

Java Full-Stack Developer

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Summary

Innovative freelance Java, J2EE, C# desktop and web application developer with a passion for creating cutting-edge solutions. Seeking challenging projects where I can leverage my expertise in software development to deliver high-quality, scalable, and user-friendly applications.

Key Skills

Proficient in Java & C#; Extensive experience in developing desktop and web applications; Strong understanding of object-oriented design principles; Expertise in front-end development (HTML5, CSS3, JavaScript etc.); Familiarity with relational and object database design; Excellent problem-solving and analytical skills; Ability to work independently and collaborate effectively in a team environment.

Education

HTEC Electronic Engineering [1983]

Oxford Polytechnic, Oxford, GB

Selection of Recent Projects

Web app maintenance [2024]

Migrate Java 8 web application to Java 17. Use Jakarta components. Update Maven dependencies and build process. Update Gitlab CI process. Set up new Tomcat 10 servers.

Update RCP application [2023]

Update Java 8-based RCP application to use Java 17. Replace javax with Jakarta as required. Update many SOAP web services. Modify Tycho build process.

Automated test system [2009-2024]

Designed and implemented a flexible test system based on the Eclipse Rich Client Platform. Now an integral part of the client's production and QA process. Creates test plans using information from SAP and EPLAN. Interacts with the unit-under-test using many different interfaces (OPC UA, USB, RS232, ...) and automatically executes the test plan. Reports are generated using BIRT and archived to files. Repeatedly updated and extended according to the client's needs.

Configuration tool for an IIoT Gateway [2023]

Migrate an existing WinForms product to WPF. Rework project structure to allow code reuse rather than code repetition. Converted from .NetFramework to .Net Core.

Microservices [2019-2021]

Set up development environment for creating microservices making use of Swagger, OpenApi, Maven, Apache CXF tooling. Implemented a number of backend services for the client's new customer portal. These services access data from IBM UDB, MS SQL Server, SAP Soap services and MongoDB.