John Clarke
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Personal Profile

A highly experienced Software Engineer and Technical Educator (PGCE) with over 14 years of expertise in the design, development, and modernisation of enterprise-scale systems. A specialist in QA transformation and legacy migrations, I combine advanced analytical and problem-solving abilities with a proven commitment to delivering engineering work of the highest standard. I leverage my background in instruction to bridge the gap between complex technical architecture and high-performance team mentorship

Skills and Expertise

- **Full-Stack Development:** Java, Python, PHP, SQL, HTML, CSS, JavaScript.
- **Systems Modernisation:** Legacy migration (Paradox/ObjectPAL) to modern architectures.
- **Database Engineering:** Advanced design, PostgreSQL, and complex SQL data analysis.
- **Automation & QA:** Robot Framework and Python-driven automated testing.
- **Technical Leadership:** Team mentorship and engineering standard optimisation.
- **Performance Engineering:** Advanced debugging and system latency reduction.
- **AI Integration:** Building and testing AI-enhanced web applications.
- **Technical Competency:** Extensive knowledge Employment of enterprise computer systems.

- **Communication:** Explaining complex technical issues to diverse stakeholders.
- **Project Management:** Meticulous approach to workload and delivery.
- **Problem Solving:** Analytical and creative approach to technical challenges.
- **Attention to Detail:** High level of thoroughness in code and architecture.
- **Commercial Awareness:** Understanding industry trends and business objectives.
- **Teamwork:** Productive in collaborative and independent environments.
- **Continuous Learning:** Rapid acquisition of new skills and technologies.

Employment History

Associate Member, Bromley District Talking News, London *(23 June 2025 – Present)*

Coordinating end-to-end **distribution and maintenance workflows** to ensure the seamless, on-time delivery of media resources to clients. Overseeing rigorous **inventory management** and hardware redeployment protocols while streamlining administrative logistics to maintain **high-volume operational efficiency**.

Software Developer, Rovisions Ltd, London *(20th June 2011 – 12th May 2025)*

A 14-year tenure focused on the design, development, and modernization of enterprise-scale web and desktop applications for the Global IT Market Intelligence industry. Spearheaded the evolution of business-critical legacy systems into modern, scalable platforms, leveraging a formal background in technical education (PGCE) to champion high-quality engineering standards and team mentorship.

Key Areas

- **Engineering Leadership & Mentorship: Led and mentored the Software Testing team**, fostering a culture of technical excellence and precision. Utilised **pedagogical expertise** to design and deliver high-impact training sessions for colleagues on software tools, testing methodologies, and development best practices, ensuring a **unified approach to code quality**.
- **Legacy Transformation & Performance: Spearheaded the migration** of mission-critical **Paradox/ObjectPAL** functions to a modern **Java and PHP stack**. Optimised legacy processes to reduce execution runtimes from **a full day to under an hour**.
- **QA Revolution:** Transformed the QA lifecycle by implementing **Robot Framework and Python**, slashing regression testing cycles from **days to hours**. Engineered a **proprietary PostgreSQL Unit Testing Tool** to validate complex SQL logic.

- **Data Analytics & Self-Service:** Developed an advanced **web-based reporting system (Java, PostgreSQL)** that enabled non-technical users to build custom reports, reducing the burden on the engineering team.
- **UI/UX Performance:** Identified and resolved critical bottlenecks in a core products UI, improving global response times from **60s down to 3s**.

Visiting Teacher, City of Westminster College, London   *(3rd October 2005 – 10th April 2010)*

Spearheaded the design and delivery of comprehensive IT curricula for Level 1-3 vocational and academic pathways, including BTEC, A-Level, and Access to HE. Focused on translating complex technical requirements into high-impact learning resources for **Systems Analysis, Software Development, and Testing methodologies**.

Education and Training

2026	**Certificate in Building and Testing Web Applications with Artificial Inteligence** Shiftsync
2021	**TEFL Certification** Online Training Provider: tefl.org
2015	**ISTQB Certified Tester Foundation Level** Online Training Provider: ApnaCourse
2008	**Learner Focused Training Certification** Happy Computers, London
2005 - 2006	**PGCE in Post Compulsory Education** The Institute of Education, University of London
1999 - 2004	**MSc in Internet Technology - Distinction** Part time, University of Greenwich, London
1993 - 1997	**BSc(HONS) Computing Science (Software Engineering) – Upper Second Class Honours and Diploma in Industrial Studies** University of Greenwich, London

Hobbies & Interests

Outside of engineering, I maintain professional discipline and focus through long-distance running and cycling. As a dedicated 'lifelong learner,' I am an avid reader and writer, constantly exploring new ideas across technology and music. I place a high value on meaningful social connection and collaboration, which strengthens my empathetic and inclusive approach to team leadership.

Professional Memberships

A member of the British Computer Society, A fellow of the Learning and Performance Institute and a member of Toastmasters International.

References

References are available upon request.