Matthew Sellman

**Summary:**
Experienced Software Engineer with a consulting background employing over six years of domain experience within the energy and finance sectors. Responsible for a portfolio of projects and delivering digital transformation through automation. Engaging end-to-end with software ranging from Black-box to UI to API applications with complex integrations to deliver required value.

**Professional Experience:**
Development:

- Programming languages including Javascript/Typescript, Java, C#.
- Software Management tools including Maven, Gradle, NPM.
- Database Software including SQL Server, SQL, Oracle.
- Exposure to frameworks including .Net Core, Angular/React, NodeJs, etc.

Testing:

- Automation Frameworks including Selenium, Playwright, Cypress.
- Stress/Load testing including Jmeter, Salesforce/Mulesoft.
- Unit testing frameworks including Jasmine, Nunit, Junit, Jest, etc.
- Testing skills including Static/Dynamic, UAT, Confirmation, Manual, etc.
- Quality principles such as TDD, BDD, utilising Cucumber.
- API Test frameworks including RestSharp, Apache Http Client, etc.
- Experience with API tools including Postman, Insomnia, REST Assured.
- Founder of a testing community of 30 people within my consultancy.

DevOps:

- Cloud Platforms including Amazon Web Services.
- CI/CD tools including Azure DevOps, Jenkins, Git, Gitlab.
- Infrastructure as Code including Terraform and Cloud Formation.
- Knowledge of networking and UNIX/ Shell scripting, Windows CLI.

**Work Experience:**

**GlobalLogic UK&I (Energy & Finance):** December 2021 – Present
**Test Architect**

- Lead Test Architect on a portfolio of projects, overseeing test teams working on SAP, Salesforce and Mulesoft integrations to test data flow, system integrations and data consistency. Addressing high quality deliverables, risk mitigation and resource optimisation.
- Leading performance analysis of a data management system, load and stress testing a system that improved data flow efficiency by 40%, reducing strain on three other projects.
- Piloted Playwright automation frameworks with NodeJs for projects, assisting in the move from a redundant technology and teaching others how to use these frameworks.
- Piloted API frameworks utilising Java with Maven, Cucumber and an HTTP Apache Client to test API calls automating previously manual processes and increasing productivity.
- Collaborated with cross-functional and international teams to define testing requirements, in addition to coordinating closely with enterprise stakeholders to define quarterly business targets, dealing with regulatory, scheduling and safety compliance in business critical applications.

Internal to GlobalLogic:

- Established a test focused community for my organisation, directing internal projects, creating training materials and case studies. Training others in preparation for client

deployments while creating and maintaining over 15 documents on best practices and standards.

- Responsible for collating knowledge, scheduling meetings and budgeting allowances for that test community. Including mentoring and conducting mock interviews for potential client engagements and stakeholder management.
- Actively involved in the community of the organisation as it scaled from a startup to a larger business, enabling successful culture changes and transformation while actively engaged on client site.

**ECS-Digital (Energy):** February 2018 – December 2021
**Software Development Engineer in Test**

- Presenter and teacher for industry events (DOP) meetup group, writing training materials, labs and demos to teach others how to use unfamiliar technologies with groups of 120+.
- Sole Test Engineer on a Palantir Slate and Angular/.Net Core scheduling project, adding automation testing while working closely with and managing stakeholder expectations and security challenges with C# and Specflow.
- Principal tester on a Geo-Engineering platform, engaging with customer feedback (internal) to maintain, improve and upgrade it, improving the CI/CD process to reduce time to production and adding/refactoring automation testing utilising Cypress and JavaScript.
- Lead tester on a knowledge management interface, implementing automation frameworks utilising Selenium and Protractor to test the Typescript Angular Frontend and RestSharp to test the .Net core back-end. Working directly with users to ensure smooth operation.

**Education:**

Goldsmiths University 2014-2017 – Upper Division (2:1) in BSc (Hons) Computer Science.

**Qualifications:**

CompTIA Certmaster Security+ Qualification. (SY0-401).
Scrum Alliance Certified Scrum Master (PPMSASCM).
ISTQB® Certified Tester – Foundation Level (CTFL).
AWS Certified Cloud Practitioner Certification. (CLF-02).
AWS Certified Solutions Architect – Associate. (SAA-C03).
HashiCorp Certified: Terraform Associate (003).

**Memberships:**

British Computing Society Member (MBCS).
Chartered IT Professional (CITP).

**Events:**

Regular presenter at industry events (DevOps Playground 2019-2024).
Hackathon ClearRoute LeMans 24hr Race 2023 – winning team.
Cyber Security Challenge UK 2016 – winning team.
Hackathons in Goldsmiths University 2014, 2015, 2016.