Jack Rhys-Burgess

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PERSONAL STATEMENT

A software engineer with 4+ years experience, former startup founder and Mathematics graduate, looking to further my career in software engineering to further deepen my developmental skills, primarily backend focused. I have worked developing full-stack in multiple programming languages and in multiple teams, and my plan is to take a fresh new challenge to hone my back-end skills and to ultimately become a senior backend engineer.

EXPERIENCE

CGI   January 2022 - Present
Software Engineer   Cheltenham, UK

- Worked on an existing project on both maintaining and greatly expanding a React+Spring Boot application built for a major government client, using microservice architecture.
- Working full-stack, evenly throughout front, back and DevOps disciplines, continually learning and widening my software engineering base of knowledge to increase my roles, responsibilities and impact throughout the team.
- Crowning achievement was a wholesale rework of the scripting and that fueled each microservice and the codebase as a whole, months of work to enable existing automated testing to work in a highly restrictive environment, cutting out weeks of manual, laborious testing work each time a release was conducted.
- Other achievements include introduction of frontend integration testing via Cypress to the release process saving multiple days of effort per release, as well as some DB query optimization to improve app performance by 100+%.
- Also built a small proof-of-concept network graphing app for the client using React and Cytoscape.js.

Alacrity Foundation   September 2020 – October 2021
Founder - Tech Lead   Newport, UK

- Underwent a 15 month programme developing entrepreneurial and software development skills.
- Formed a startup, Equidox, aimed to create a document management and multiparty system for wealth firms.
- Validated through market analysis, developed collaboratively, working full-stack, leading front-end development.

EDUCATION

Swansea University   September 2016 – September 2020
Master of Science in Mathematics   Swansea, UK

- **Modules**: Coding Theory, Black-Scholes Theory, Numerical Analysis, Differential Geometry
- **Thesis**: Groebner Bases

Llanfyllin High School   September 2009 – September 2016
A-Levels and GCSEs   Llanfyllin, UK

- Mathematics (C), Physics (B), Chemistry (B)
- 8 GCSEs A*-B including Mathematics and English

SKILLS

Languages : Java (Spring Boot), Javascript (React, Node.js), Groovy, YAML, HTML/CSS
Tools : Jenkins, OpenShift, Atlassian Suite, Ansible, Cypress, Gitlab/Github, Miro/Mural
Skills : Agile Development, Communication and Teamwork, Attention to Detail, Persistence and Patience

HOBBIES

Hobbies : Programming, Reading, Drumming, Gaming, Blogging, Cryptography and Amateur Mathematics