Paulo Santos

Email: work.paulo.santos98@gmail.com

Mobile: (+44)7468689300

in/paulo-santos-software-engineer

 /GitPaulo

Summary

I am a full-stack engineer with strong expertise in web technologies, compute performance and automation.

Professional Experience

- **Microsoft, Github**   Remote, UK
  Software Engineer   *Jun 2025 - Present*
  - Delivered Custom Images for GitHub Actions, allowing customers to build tailored VMs for their hosted runners providing Faster workflows, hardened security and cost optimisation.
  - Contributed to the org-wide move of GitHub to Azure; re-architecture of Actions services to lift availability from 99.9% to 99.99% and the shift to a modern Golang tech stack.

- **THG**   Manchester, UK
  Lead Software Engineer   *Sep 2020 - Apr 2025*
  - Spearheaded the design, planning, and development of a Content Management System built with a multi-team micro-frontends architecture, currently supporting 100+ e-commerce sites.
  - Engineered a parallel build pipeline for optimised Angular builds through the use of Gradle and shell scripts, resulting in a scalable architecture with build times up to $6\times$ faster.
  - Led a company-wide transition from unmanaged virtual machines to Kubernetes deployments by re-writing legacy GitLab CI and Jenkins pipelines to K8s powered GitHub Actions.
  - Oversaw the engineering and implementation of the THG Gravity design system, bringing intuitive and accessible design to our apps, by working with UX and ensuring adherence to WCAG standards.
  - Planned and implemented performance improvements to web applications via bundle size optimisations, memoization/caching, and local refactoring; achieving reductions in LCP of 800ms average.
  - Conducted graduate and mid-level technical software engineering interviews for new company talent.

  Software Engineer
  - Designed and shipped an application that versions, showcases, and documents our internal component library, raising adoption and cutting integration time by teams.
  - Developed stand-alone UI building-block components built on top of Angular CDK, supporting over 40+ internal Angular and non-Angular apps via Web Components and Angular Elements.
  - Configured metrics across multiple applications, Grafana for JVM and functional monitoring, Kibana for Error and Access log monitoring, and Dynatrace/Sentry for UI and frontend issue and release tracking.

Education

- **University of Liverpool**   Liverpool, UK
  Master of Engineering in Computer Science (MEng); 1:1 (1st Class)   *Sep 2016 - Sep 2020*

Projects and Interests

- **I am a hobby programmer (github.com/GitPaulo)**: Game mods, web bots, engines, tools, anything fun!
- **I am a tech author (dev.to/gitpaulo)**: I occasionally write about interesting topics or challenges.

Domain Skills

- **Languages**: JavaScript, TypeScript, HTML & CSS, Java, C#, Golang, Python, Lua
- **Technologies**: Unix, Cloud, Web Frameworks, Virtualisation and Containerisation, Github Actions