Paulo Santos

in/paulo-santos-software-engineer
⧉/GitPaulo

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SUMMARY

I specialize in leading full-stack web application development, with strong expertise in web technologies and the e-commerce domain. I am ready to expand my expertise into any and all new areas.

PROFESSIONAL EXPERIENCE

- **Microsoft, Github**   Remote, UK
  Lead Software Engineer   *Jun 2024 - 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 2024*
  - 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, Github Actions and shell scripts, resulting in a scalable architecture with build times up to 6× faster.
  - Led a company-wide transition from unmanaged virtual machines to Kubernetes deployments by re-writing legacy GitLab CI and Jenkins pipelines to GitHub Actions.
  - Oversaw the redesign and implementation of a complete design system focused on consistency, intuitive design, and accessibility by working closely with our UX team 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, Golang, Java, Groovy, Python, Lua, SQL, Shell
- **Technologies**: Unix, Angular, AngularJS, React, Tailwind, Less/Sass, NodeJS, ExpressJS, K8s, Docker, ActiveMQ, Elastic Stack, JUnit, Jetty, Tomcat, Spring, Gradle, Jenkins, Github Actions, AWS, Firebase