Suraj G

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Experience

Bloomberg LP

Developer Experience | Team Lead
Oct 2024 - Present

- Leading a new four-person team, overseeing technical direction and people management.
- Helped develop team's vision and strategic roadmap for the year.
- Helping to modernise the company's CI infrastructure.
- Spearheading efforts to enhance internal OCI images, leveraging best practices (e.g. SBOMs, Attestations, etc.).

Developer Experience | Senior Software Engineer
Feb 2022 - October 2024

- Scaled and stabilised company-wide CI/CD system, 'Devise', helping transform it from unreliable to widely adopted and high-performing.
- Introduced buildpacks into Devise, with Python, Go, and Node.js ecosystems.
- Led a telemetry initiative, ensuring all Devise projects automatically generate metrics and logs.
- Simplified container deployment pipelines, reduced tech debt and led company-wide shift from Docker to Podman, saving ~70,000 hours of compute weekly. This set the standard for rootless OCI image builds at Bloomberg.
- Built side projects for fun that eventually became real things, including:
  - VSCode plugin that perfectly replicates Devise functionality locally; by leveraging bubblewrap and sharing the production cache, local builds can produce cache hits for remote builds.
  - Created JSONSchema store enabling autocomplete and validation across dev environments.
  - Developed a secure Postgres frontend with in-browser credential encryption, akin to Superset.
  - Built a widely-used browser plugin linking repos to logs, deployments, and more—one of the company's most starred projects.

Fixed Income and Electronic Trading | Software Engineer
Oct 2019 - Feb 2022

- Modernised a trading system by distributing legacy monoliths using Redis, Kafka, and Zookeeper.
- Helped significantly improved developer experience of the team through faster builds and enhanced local workflows. Some improvements were adopted org-wide, leading to my move into the Developer Experience (DevX) team.

Industrial Placement
Mar 2018 - Sep 2018

- Re-architected a client-side codebase as a service layer to improve its extensibility and reliability.

Education

Imperial College London
2015 - 2019

Computing MEng, First Class Honours

- Dean's List, Year 4, 2019 (Top 10% of Cohort)
- Dissertation: A Practical Analysis of Optimisation and Recovery Under Uncertainty: link
  - Distinguished project (91% score)
- Dissertation awarded NewVoice Media Prize for Computing
- Microsoft Project Prize runner-up (Year 3)
- IBM Project Prize runner-up (Year 2)

Projects

Highlight: Baremetal Pac-Man

- Reverse-engineered Pac-Man for the Raspberry Pi, baremetal. Watch it here.