# Suraj G

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## Experience

**Bloomberg LP**

### Developer Experience | Incoming Lead
*Jan 2025 - Present*

- Incoming lead of a new four-person team, overseeing technical direction and people management.
- Developed team's vision and strategic roadmap for the year.
- Modernising the company's CI infrastructure.
- Spearheading efforts to harden internal OCI images, leveraging best practices (e.g. SBOMs, Attestations, etc.).

### Developer Experience | Senior Software Engineer
*Feb 2022 - Dec 2024*

- Scaled and stabilised company-wide CI/CD system, helping transform it from unreliable to widely adopted and high-performing. It now processes millions of builds a week.
- Introduced buildpacks, with Python, Go, and Node.js ecosystems.
- Led telemetry initiatives, ensuring all 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.
- Independently led projects outside my core responsibilities, some of which landed in production:
  - VSCode plugin that replicates CI functionality locally; by leveraging bubblewrap and sharing the production cache, local builds produce cache hits for remote builds.
  - JSONSchema store enabling autocomplete and validation across dev environments.
  - secure Postgres frontend with in-browser credential encryption, akin to Superset.
  - 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.
- Significantly improve 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

- Reverse-engineered Pac-Man for the Raspberry Pi, baremetal. Watch it here.
- A daily rotating game to guess birdsong: http://dailychirp.suraj.fyi/
- Smart contract explorer: https://github.com/alice-si/etheroscope