

Bharat Agarwal

📍 <https://bharatagarwal.io> ✉ bharatagarwal@gmail.com 📍 Bangalore, India

SKILLS

Languages

Golang, Java/Kotlin, C, Bash
x86-64 Assembly, Ruby, JavaScript

Tooling

AWS, Docker, CI/CD,
Splunk & SignalFX (Observability)

EXPERIENCE

Aug 2022 – Dec 2023

Academic break

Took an academic break to expand my skillset. Learning systems from the ground up, from assembly to RDBMSs to OSes, all the way to distributed systems.

Apr 2020 – Aug 2022
Bangalore, India

Atlassian, *Software Engineer*

As part of the Jira Migration [🔗](#) Platform team, I:

- Contributed to the company's #1 priority: server to cloud migrations. Maintained Jira Migration Target, a critical service with a 99.995% availability requirement for enterprise users
- Handled high severity incidents as part of on-call roster.

As part of the Resilience Engineering team, I:

- Increased adoption [🔗](#) of chaos engineering experiments by automating our 'war game' process
- Reduced number of engineers required to run experiments, by consolidating load testing metrics, SRE 'golden metrics' and event-tracking into one place.
- Propagated network turbulence using AWS SSM documents, working within framework of the company's internal PaaS.

Initiatives:

- Developed a collaborative graph-based user interface for Confluence, our enterprise wiki offering. Got a patent [🔗](#) for this.
- Pitched for, and drove an initiative for adoption of 'inner-source' documentation practices in internal services within the company

Oct 2019 – Mar 2020
Remote

Mothership, *Co-creator & Software Engineer* [🔗](#)

- Mothership is an open-source platform-as-a-service designed to democratize the process of building a PaaS
- Chose a beginner-friendly stack using Node.js and Docker Swarm
- Programmatically provisioned servers on DigitalOcean with Docker Machine
- Containerised applications for machine instances using cloud-native buildpacks
- Read the case study for Mothership at <https://mothership.live> [🔗](#)

Sep 2018 – Sep 2019
Bangalore, India

Self Employed, *Full Stack Developer*

Developed several personal and open-source applications with technologies such as Ruby, Node.js, Rails, React and Sinatra.

Nov 2016 – Aug 2018
Bangalore, India

Self Employed, *Architect* [🔗](#)

Collaborated with the 'Disorient' camp at Burning Man to design spaces using warehousing material for Burning Man '17 and '18.

EDUCATION

Jun 2022 – Dec 2023

Bradfield School of Computer Science, *self-paced* [🔗](#)

Online course for understanding, designing, and building large-scale systems.

2009 – 2015

School of Planning and Architecture, New Delhi, *B. Arch*