

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, Containerisation
Git/Git Flow, Linux, Pipelines

EXPERIENCE

Aug 2022 – present

Sabbatical

On a break in order to take some long-term bets. Focussing on understanding systems, learning yoga, and playing with cats -- in no particular order.

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 – present

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*