

# Bharat Agarwal

📧 <https://bharatagarwal.io> ✉ [bharatagarwal@gmail.com](mailto:bharatagarwal@gmail.com) 📍 Bangalore, India

## SKILLS

### Languages

Golang, Python, Java/Kotlin,  
C, Assembly, JavaScript

### Tooling

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

## EXPERIENCE

Jan 2024 – Apr 2024

### Contract developer

Full-stack developer on *Goldie*, an app for recording consultations and transforming them into case summaries for veterinarians.

Stack: *Django, React Native, OpenAI and Deepgram APIs*

Apr 2020 – Aug 2022

Bangalore, India

### Atlassian, Software Engineer

As part of the Resilience Engineering team,

- 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.

Stack: *Golang, Chaos Toolkit, GraphQL, Cadence, SSM, RDS*

As part of the Jira Migration 📄 Platform team,

- 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.

Stack: *Java/Kotlin, Spring Boot, Splunk, SignalFX, DynamoDB, SQS*

Patent 📄 : Collaborative document graph-based user interfaces

Conceptualised a graph-based journey recorder for Confluence in a team of four

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> 📄

Stack: *Node.js, Docker Swarm, WebSockets, DigitalOcean*

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, Computer Science Intensive 📄

In-depth program for understanding and designing large-scale distributed systems.

2009 – 2015

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