

# Bharat Agarwal

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## SKILLS

### Languages

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

### Tooling

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

## EXPERIENCE

Jan 2024 – Apr 2024  
Remote

### 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

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, AWS (RDS and CloudWatch)*

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, AWS (DynamoDB and 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 [🔗](#)

Developed an open-source platform-as-a-service in a team of three engineers. We made choices with the intention of democratizing the process of building a PaaS, like:

- Choosing a beginner-friendly stack using Node.js and Docker Swarm
- Simplifying server provisioning using Docker Machine, in our case using DigitalOcean
- Automating containerisation using cloud-native build-packs

Read our case study here: <https://mothership.live/case-study> [🔗](#)

Sep 2018 – Sep 2019  
Bangalore, India

### Self Employed, Full Stack Developer

Transitioned to software development building several personal and open-source applications with technologies such as Ruby, Node.js, Rails, React and Sinatra.

Sep 2015 – Aug 2018  
Bangalore, India

### Self Employed, Architect [🔗](#)

Worked as an architect and research assistant on a few experimental projects. Collaborated with Disorient [🔗](#) and SpaceMatters [🔗](#) among others.

## 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