

# Bharat Agarwal

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## SKILLS

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### Languages

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

### Tooling

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

## EXPERIENCE

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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 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*

Initiatives:

- Developed a collaborative graph-based user interface for Confluence, our enterprise wiki offering. Got a patent [🔗](#) for this.

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

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Jun 2022 – Dec 2023

### Bradfield School of Computer Science [🔗](#)

Rigorous program for understanding, designing, and building large-scale systems.

2009 – 2015

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