

# BHARAT AGARWAL

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https://www.bharatagarwal.io

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## EXPERIENCE

### Mothership PaaS

Co-creator & Software Engineer

Sep 2019 – Present

Remote

- Mothership is an open-source platform-as-a-service for deploying small applications.
- As part of a remote team of three, I:
- Researched the application deployment space, and identified a space for an open-source self-hosted PaaS
- Co-designed a distributed multi-tenant architecture for deployed applications
- Programmatically provisioned deployment-ready servers on DigitalOcean with Docker Machine
- Implemented API calls to Docker Swarm to perform CRUD functions with containers on the remote manager machine
- Designed workflows and information architecture for the web application interface
- Co-authored a comprehensive case study about the project

### Self Employed

Full Stack Developer

Oct 2017 – Dec 2019

- Developed a variety of open source web applications using JavaScript, Node.js, Ruby, Ruby on Rails, SQL, HTML, CSS, and React.
- Kanban: A project management app similar to Trello built with React/Redux and Rails
- Grapevine: A social news and discussion application similar to Reddit built with Rails, PostgreSQL, and JavaScript
- Airline Routes: An application built with React that allows users to view and filter airline routes
- Crossout: A task management application built with Ruby, Sinatra, JavaScript, jQuery, and Handlebars.js

### Self Employed

Architect

Nov 2016 – Mar 2019

- Highlights of my work include Pod Mahal (Burning Man Festival '18) and the Singularity Festival of Learning (Yelahanka, Bangalore)

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## EDUCATION

### Launch School

Full-Stack Development

2017 – 2019

Remote

### School of Planning and Architecture

Bachelor of Architecture

2009 – 2015

New Delhi

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## SKILLS

- Node.js • Ruby • JavaScript(ES6) • Rails • SQL • PostgreSQL • Docker • DigitalOcean • Docker Swarm • React • HTML • CSS • Git

