

BHARAT AGARWAL

Bangalore, India – p: +91 98117 18987 – e: mail@bharatagarwal.io –
https://www.bharatagarwal.io

EXPERIENCE

Mothership PaaS

Co-creator & Software Engineer

Sep 2019 – Present

Bangalore

- 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

- Collaborated with various organisations such as Disorient and Jaaga. Highlights of my work include 'Pod Mahal' and 'Chand Baori' which were built at the Burning Man Festival in '18 and '19 respectively, along with the Singularity, a proposal for a commune with Jaaga in Yelahanka.

EDUCATION

Launch School

Full-Stack Development

2017 – 2019

Remote

School of Planning and Architecture

Bachelor of Architecture

2009 – 2015

New Delhi

SKILLS

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