

BHARAT AGARWAL

Bangalore, India - bharatagarwal@gmail.com - <https://bharatagarwal.io>

EXPERIENCE

Mothership PaaS

Co-creator & Software Engineer

Sep 2019 – Present

Remote

- Mothership is an open-source platform-as-a-service for deploying small applications.
- Built 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
- Utilised core web APIs to provide observability features for the PaaS
- Leveraged WebSockets for providing service logs to users
- Streamed application build output to web and CLI using Server Sent Events
- Designed workflows and information architecture for the web application interface
- Read case study at: <https://mothership.live/case-study>

Self Employed

Full Stack Developer

Feb 2018 – Aug 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
- Crossout: A task management application built with Nodejs, jQuery, and Handlebars

Self Employed

Architect

Nov 2016 – Aug 2018

- Collaborated with Disorient to design structures for Burning Man '17 & '18
- Generated an urban plan for the Singularity Festival of Learning in collaboration with Jaaga

EDUCATION

Launch School

Full-Stack Development

2017 – 2019

Remote

School of Planning and Architecture

Bachelor of Architecture

2009 – 2015

New Delhi

SKILLS

- Languages: Ruby, JavaScript (ES6), SQL, Bash
- Frameworks: Express.js, Docker, Git, Rails, Container Orchestration (Docker Swarm), DigitalOcean VPS, HTML/CSS