

Bharat Agarwal

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EXPERIENCE

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| Jan 2025 – present
Gurgaon | Qolaba AI, Lead AI Engineer
Tech Lead, in charge of data science research for ed-tech platform, and rapid prototyping solutions for clients. As of May '25, I developed the following: <ul style="list-style-type: none">• Knowledge graph establishing dependencies between topics for 11th and 12th grade CBSE science curriculum.• v2 of their API platform, improving RESTfulness of routes, simplifying job worker architecture from Celery to Dapr, and refactoring out junk like LiteLLM.• Solutions for ed-tech clients, including pedagogy-enriched timestamps for educational videos, and multilingual subtitles and dubbing for academic lectures.• Sales agent, validating leads and customising outreach for clients. <p><i>Stack: FastAPI, Python, Gemini SDK, LiteLLM, Langfuse, Neo4J, n8n, Lovable</i></p> |
| Jul 2024 – Jan 2025
Bengaluru | Shopify, Software Engineer (Infrastructure)
My team maintained a source-of-truth for all of Shopify's infrastructure, playing a part in scale testing for Black Friday, and ensuring Kubernetes best practices. <p><i>Stack: Kubernetes, Rails, Hotwire, Temporal, Buildkite</i></p> |
| Jan 2024 – Jun 2024
Remote | Nova Practice Solutions, Contract AI Engineer
Developed GoldieVet 🔗 , a transcription tool for veterinarians using Django and React Native, making heavy use of Deepgram and OpenAI APIs. |
| Apr 2020 – Aug 2022
Bengaluru | Atlassian, Software Engineer (Infrastructure) <ul style="list-style-type: none">• Increased adoption of chaos engineering experiments by automating our 'war game' process.• Propagated network turbulence using AWS SSM documents, working within framework of the company's internal PaaS.• Handled high severity incidents as on-call roster for Jira Server → Cloud Migrations. <p>PATENT 🔗 : Graph-based journey recorder for Confluence, built by a team of four</p> <p><i>Stack: Golang, Java/Kotlin, Spring Boot, Splunk, SignalFX, DynamoDB, SQS, Chaos Toolkit</i></p> |
| 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. I built this in a team of three. <p>Read the case study for Mothership at https://mothership.live 🔗</p> <p><i>Stack: NodeJS, DigitalOcean, Docker, Docker Machine, WebSockets, Heroku Buildpacks</i></p> |
| Sep 2015 – Aug 2018
Bengaluru | Self Employed, Architect 🔗
Collaborated with 'Disorient' camp at Burning Man to design spaces for Burning Man '17 & '18. |

EDUCATION

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| Jun 2022 – Dec 2023 | Bradfield School of Computer Science, Computer Science Intensive program 🔗 |
| Aug 2009 – May 2015 | School of Planning and Architecture, New Delhi, B. Arch |