

London, United Kingdom
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[LinkedIn](#)
[Portfolio](#)
[Github](#)
[Deep neural networks](#)

Certifications:
Kaggle Machine learning
Kaggle Deep learning
[Stanford Machine Learning](#)

July 2021 - Present
Berlin, Germany

Java, Spring Boot, Kotlin,
Golang, Kubernetes,
Terraform, Microservices,
Linux/Unix, Prometheus,
Grafana, TDD/DDD, Kafka,
Genetic Algorithms, SQL,
Postgres

July 2019 - June 2021
Singapore

Golang, GCP, GraphQL,
Kubernetes, Linux/Unix,
SQL, MySQL

Feb 2017 - June 2019
Gurgaon, India

Manav Dahra

Senior Backend Engineer

I am a passionate software developer with over 10 yrs of experience, who likes to add value and create impact. I enjoy solving complex problems by breaking them down into simpler ones.

Skills

Kotlin/Java, Go, Python, Cassandra, MongoDB, Redis, Postgres, AWS/GCP, Docker/K8S, SQL/NoSQL, Microservices/System Design, Mentoring/Code reviews, PyTorch

Work Experience

Senior Backend Engineer, HelloFresh SE

HelloFresh is a subscription based meal kit delivery service based in 18 countries with 7 million active users.

- Led a team of two for the development of Line matching and Assembly planning tool for warehouse, using genetic algorithms to find best solutions for multi-criteria optimization problems. This resulted in line throughput efficiency increase of 80%.
- Spearheaded a team of 3 in development of an aggregated procurement screen for more than 250 ingredients per week. This resulted in operational cost reduction by ~15%
- Integrated the service with external services adhering to event driven architecture. This supported consumption of more than ~10k ingredients in quantity delta daily.
- Led development & testing of ETL processes to facilitate efficient data warehousing tools.
- Introduced organisation-wide contract testing framework.
- Led the initiative of distributed instrumentation in all the services of the domain.
- On-boarded and mentored 5 new joiners in the team.

Senior Backend Engineer, NE Digital

NE Digital is one of the top players in digitising school operations in Singapore.

- Led development of payment & reconciliations service for the system; handled ~5k recurring payments within 1 hour.
- Developed a scalable notification framework. Emails, sms and app notifications were supported; ~10k notifications daily.
- Led attendance and check-in/check-out module for all schools; peak time check-ins of around 20k students/staff.
- Implemented instrumentation for all the services of the domain; 25k metric points captured daily.
- Monitored and maintained up-time, resilience and performance of applications within well defined SLAs.
- Mentored 2 junior backend developers.

Engineering Team Lead, Wynk Music Ltd.

Wynk music is a subscription platform that allows users to stream music and videos with a user base of ~50 million, out of which ~2.5 million were daily active users.

Java, Spring Boot, Python, Cassandra, Microservices & Distributed system architecture, Scaling and High availability, Docker, AWS, RabbitMQ

Dec 2015 - Jan 2017
Gurgaon, India

Java, Spring Boot, Javascript, React JS, MongoDB, Redis, MySQL

Nov 2013 - Nov 2015
Gurgaon, India

Java, Spring Boot, Javascript, React JS, MongoDB, Redis, MySQL

2009-2013
Allahabad, UP

Major in Electrical Engineering

- Maintained High Availability (up time of >95%), Scalability (auto-scaled using AWS ECS clusters) and upgraded performance (decrease latency of APIs by 200%) of the subscription service
- Led the development of a user segmentation tool that allowed the business teams to design targeted ads.
- Spearheaded a team of 4 to integrate payment modes/channels and wallets for the subscription system; handled ~25k payments daily.
- Developed a production ready ML model in python using sentiment analysis. Data collection required building crawlers/cron jobs to scrape ~1M movie reviews intelligently from big data sources like IMDB, TMDB & Rotten Tomatoes.
- Managed a team of 6 people.

Senior Software Engineer, Ofbusiness

- Developed systems for internal business processes and end consumers.
- Led development of application for mobile devices that enables Manufacturers and Buyers to apply for loans that enables them to smoothly run their businesses

Senior Software Engineer, Gemini Solutions

- Built & sustain a service that runs mathematical modelling on financial securities on a daily basis and publishes the results.

Education

Bachelor of Technology, MNNIT Allahabad