

Chetan Bhat

Software Engineer with over **6+ years of experience** in designing, developing, and deploying innovative software solutions. Proficient in architecting and building end to end solutions, with a strong emphasis on delivering high-quality, scalable applications in agile environments.

EXPERIENCE

Software Engineer II - Full Stack

Mckinsey & Company, Bengaluru, Karnataka

SEPTEMBER 2022 - PRESENT

- **Led the End to End + DevOps work-stream** with a team of ~5 on a GenAI product development, closely collaborating with **cross-functional Data-Engineering & Data-Science teams**. Served as the point of contact for leadership, stakeholders & clients.
- Owned the responsibility for **outlining system modules/components**, interfaces and data models to meet specific requirements which also included integrating vendor services. Implemented optimization strategies, including caching and indexing, to enhance application performance.
- **Managed the AWS cloud infrastructure** in the team. Developed & Deployed containerized applications to **AWS ECS & EKS**. Developed **Helm charts** for the services in the application.
- Integrated with multiple AWS services such as **S3, ECS, EKS, RDS, ALB, Cognito, CloudFront** etc.
- **Led the Front-End work-stream** in a Data visualization dashboard. Built **complex visualization components** containing interactive charts.
- Managed the highly evolving product requirements by designing highly customizable and **reusable UI components in React**, integrated with **GraphQL**.
- Facilitated **technical training sessions** for a cohort of approximately 50 fresh graduates as part of the organization's structured training program. Additionally, provided **mentorship and guidance** to numerous junior colleagues within the firm.

Senior Software Engineer - Full Stack

Graphene Services Private Limited, Bengaluru, Karnataka

APRIL 2021 - SEPTEMBER 2022

- Designed and Developed end-to-end web applications for **Market Research** by closely working with the product engineering team, which is being actively used by many domain experts in our organization to analyze, visualize and work on data.
- Worked closely with the **Data Science team to integrate various AI/ML modules** to the application as features. This helped the domain experts to use various AI/ML features to better analyze and get valuable insights from the data.
- Developed an interactable chart (Tree-chart) using **D3.js for data visualization** along with various editable features, which allowed users to easily interact with data.
- Designed and developed a Data-sourcing **pipeline for Knowledge Graph (Neo4j)** which supplied data on user-defined schedules.
- Integrated **Single sign-on authentication using Azure Active Directory** and integrated with the applications RBAC authorization system to track and manage users using the application.

Bengaluru, India

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EDUCATION

B.E. (Computer Science & Engineering)

Visvesvaraya Technological University, Belagavi

SKILLS

Full Stack Web Development, Data Engineering, NLP

Programming

Typescript/Javascript, Python, Java, Go, HTML/CSS/SCSS

Frameworks & Libraries

React, Angular, NextJS, NestJS, ExpressJS, FastAPI, Flask, Spring Boot, SequelizeORM, TypeORM, SQLAlchemy, Apollo GraphQL, Apache Spark(PySpark), Apache Kafka, Celery, LangChain, Pandas, Spacy, NLTK, CoreNLP, AllenNLP, D3.js, Matplotlib, Seaborn

Databases

PostgreSQL, SQL Server, Redis, MongoDB, Elasticsearch, Cassandra, CosmosDB, RDS, Neo4j

DevOps

Docker, Kubernetes, Helm charts, Terraform, Github Actions, Gitlab CI/CD, Nginx, IIS

Cloud

AWS, Azure, S3, ECR, ECS, EKS, EC2, RDS, ElasticCache, SNS, SQS, AWS Lambda, Azure Functions, Durable functions, Azure Web Apps, Blob Storage, Azure container Apps, Load Balancers, AWS VPC, Azure Virtual Network

Full Stack Developer

Graphene Services Private Limited, Bengaluru, Karnataka

JUNE 2019 - MARCH 2021

- Built a **coreference resolution module using SpanBERT** (used Allennlp python wrapper module) and integrated custom logic using spacy POS and dependency parser to improve the accuracy by 10%, achieving a total of 85% accuracy.
- Designed and implemented a **text preprocessing module** which processes raw, unformatted, complex texts to formatted and simplified texts by using **regex, NLTK, spacy, constituency parser and other NLP libraries**. This module helped to get better outputs in every other ML modules in the pipeline.
- Designed, developed and implemented various tagging tools such as **sentiment ranking tool, sentiment tagging tool, pronoun resolution tagging tool**, which are being **used to create training/testing data** to evaluate the different modules in the AI Engine pipeline. These tools helped users to tag data using an easy to use UI.

UI Developer

Graphene Services Private Limited, Bengaluru, Karnataka

OCTOBER 2018 - MAY 2019

- Implemented various charts such as line chart, bar chart, pie chart, and various **custom charts using D3.js and Highcharts** with custom behaviors and interactions and integrated with the data analysis dashboards built using **Angular**.
- Fixed bugs from existing applications and implemented enhancements that significantly improved functionality and speed.

CERTIFICATIONS

Microsoft certified Azure Developer Associate