

NIKHIL CHOUBEY

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Education

National Institue of Technology Goa

Jul. 2014 – Jul 2016

M.Tech in Computer Science

Goa

College of Engineering Roorkee

Aug. 2010 – Jul 2014

B.Tech in Computer Science

Roorkee

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Technical Skills

Languages: Python, Java, NodeJS, ReactJS

Developer Tools: VS Code, IntelliJ, AWS, Terraform

Technologies/Frameworks: Linux, Ansible, Kubernetes, GitHub, JUnit, WordPress

Experience

Convrse AI

Oct 2022 – Present

Technology Lead

Gurgaon, Haryana

- Designed a microservice based architecture for the product where each service served it's individual purpose, which helped in faster development and deployment process of the product and made the product robust.
- Developed user authentication in java using OAuth2.0 and a configurable file management, notification service in NodeJS and a payment service in NodeJS.
- Developed the backend for core optimization using Ptyhon FastAPI and AWS SQS for asynchronous optimzation of heavy 3D files.
- Created packages in Java and NodeJs and published them on private CodeArtifact repository.
- Utilized AWS CodeBuild and ArgoCD for CI/CD of the services in AWS EKS which helped in faster testing and deployment of the product.
- Lead a team of engineers in maintaining the above services and new feature development.
- Lead a team of engineers in designing and developing metaverse solution for various clients.

Tracxn Technologies Ltd

Nov 2020 – Oct 2022

Technology Lead

Bengaluru, Karnataka

- Engineered robust HTTP requests framework incorporating OAuth and token rotation to bolster inter-service security.
- Innovated instance monitoring through design of port scanning system leveraging AWS and GCP pubsub integration.
- Developed and oversaw Jobsystems, versatile in-house tool for streamlined configuration of Kafka and SQS consumers.
- Led proficient team in adoption of JWT authentication and executed seamless cloud migration strategy.

Hatcher

Dec 2018 – Oct 2020

Technology Lead

Gurgaon, Haryana

- Engineered and launched versatile MVP for customizable e-commerce chatbot, enhancing customer engagement on digital storefronts.
- Streamlined integration of human-agent takeover from chatbots through Facebook, alongside in-portal chat management capabilities.
- Automated chatbot generation and deployment workflows utilizing AWS Lex APIs and AWS Lambda for increased efficiency.
- Implemented robust CI/CD pipelines leveraging GitHub and pm2, leading frontend development initiatives.

Silversparrow

May 2018 – Nov 2018

Deep Learning Engineer

Gurgaon, Haryana

- Engineered custom data annotation utilities for advanced video and image processing.
- Designed and trained cutting-edge deep learning model for precise liquor brand recognition in visual content, enhancing marketing analytics.
- Implemented robust monitoring scripts to guarantee optimal application performance with automated recovery protocols.

Greenclouds

Feb 2017 – April 2018

Software Developer

Gurgaon, Haryana

- Engineered advanced features for a mailer system, including a robust rule engine and scheduling capabilities, to automate intricate workflows and elevate operational efficiency.
- Developed specialized modules for streamlined interview scheduling, optimizing the recruitment process.
- Created a bulk admit card generation module, significantly reducing manual effort and increasing administrative efficiency.

Innoplexus

Jun 2016 – Sep 2016

Junior Software Developer

Gurgaon, Haryana

- Spearheaded data migration to Neo4J, engineered cutting-edge algorithms for graph data analytics, and oversaw robust data management processes encompassing retrieval, modeling, and storage.

Projects

IAM using Oauth 2.0 | *Java, Spring Boot, AWS EKS*

August 2023

- Developed a IAM like application that can be used to create users, roles and assing permission to individual roles or users.
- Added a mechanism to create new root users which could be for individual application and then subsequent users under that application could be created similar to AWS IAM.
- Deployed the backend using AWS CodeBuild and ArgoCD onto AWS EKS.

In Memory SQS | *Java*

October 2022

- Create a In Memory SQS in which topics could be created and subscribers could be added to those topics.
- Handled multiple subscribers subscription to a single topic by ensuring that no two subscribers gets the same message.

Wordpress Site | *WordPress*

October 2023

- Hosted a wordpress website on AWS EC2 and added a Elastic IP to it.
- Installed the required theme and made changes to theme file to change the layout of the website.
- Created a home page with all the relevant content related to betting site.

E-Tender Manageent System | *Java, React, AWS*

October 2023

- Created an E-tender management system for Guwahati, Assam PWD.
- Added a verification mechanism of the project by asking users to uplaod Geo-Tagged photo.
- Implemented user access control for various type of users.