

DILIP SINGH

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📍 Bengaluru, India

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WORK EXPERIENCE

McKinsey & Company
Software Engineer Intern

Bengaluru, India
(January 2023 – July 2023)

Technology Stack: React.js, MaterialUI, CSS, Node.js, Express.js, PostgreSQL, RestAPIs, Redis, RabbitMQ, Docker, Kubernetes, Minio, AWS ECR, AWS EKS, Swagger, Unit Testing (Jest), CI & CD pipeline (GitHub Action), Git

- Worked on an internal tool that lets one create system architectures graphically and manage/automate their deployments. Contributed heavily to the overall system design and implementation of the software, led the implementation and design of a plugin system for the same.
- Designed and implemented a highly efficient deployer service leveraging Docker and AWS ECR to seamlessly push and deploy blueprints to AWS EKS, reducing deployment time by 40% and ensuring seamless scalability.
- Created plugins for Express CLI tool using Node.js to execute the CLI commands to publish and manage the different services plugins.
- Configured CI & CD pipelines that run on each pull requests and push commits.
- Integrated MinIO (local Object Storage) for storage of the zipped plugin-templates.

PROJECTS

• Developers Mate:

[[Source Code](#)]

Technology Stack: React.js, Redux, CSS, Node.js, Express.js, RestAPIs, MongoDB, Mongoose

- ♦ A MERN stack-based easy to use social network platform for developers to connect with each other.
- ♦ Developers can set up their profile adding their education, job experiences and social accounts, also can get help from other developers through posts and comments.
- ♦ Additionally, developers can link their Github repositories on their profiles.

• CMS Website:

[[Frontend Source Code](#)

[Backend Source Code](#)]

Technology Stack: React.js, CSS, Node.js, Express.js, RestAPIs, Postgresql, Sequelize, Unit Testing (Jest)

- ♦ A full stack application that allows user to create, edit and publish various types of web contents.
- ♦ CMS stores contents in a database and present it through customizable templates in the presentation layer.

• NIE Student's E-Bazaar:

[[Source Code](#)]

Technology Stack: HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, RestAPIs MongoDB, Cloudinary, Google O-auth 2.0

- ♦ This website provides a common platform for the sellers (Seniors) and the buyers (Juniors) to buy & sell the goods or can donate also.

EDUCATION

The National Institute of Engineering

Mysore, Karnataka, India

B.E, Information Science & Engineering

(August 2019 – July 2023)

CGPA: 9.25 / 10.0

Foundation School

Buxar, Bihar, India

Percentage (12th class, CBSE): 78.2%

(April 2017 – March 2018)

Central Public School

Zamania, Uttar Pradesh, India

CGPA (10th Class, CBSE): 10 / 10

(April 2015 – March 2016)

Technical Skills

Programming Languages: • C/C++ • JavaScript • Python

General Skills: • Data Structure & Algorithm • OOPs • Operating System • Linux

Frameworks/Libraries/Platforms & Tools: • React.js • MaterialUI • Node.js • Express.js • Redux.js • RestAPIs • RabbitMQ • Docker • Swagger • Kubernetes • CI/CD • MinIO (object-storage) • AWS ECR • AWS EKS • Git • Github • Jest (unit testing)

Databases: • PostgreSQL • MySQL • MongoDB • Redis

Achievements

- Hackerrank Hackfest 2020 Rating: 1479.21
- Codechef 3 star coder (Max rating: 1616 [[CodeChef](#)]

Area of Interests

- Web development
- Competitive Programming and Problem Solving