

Pushpakant Behera

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

June 2023 | Jamshedpur

CGPA: 8.49/10.00

MODERN INDIAN SCHOOL

CBSE CLASS XII (PCM)

June 2018 | Kirtipur

Percentage: 82.20%

MODERN INDIAN SCHOOL

CBSE CLASS X

June 2016 | Kirtipur

CGPA: 9.40/10.00

LINKS

LinkedIn : [pushpakantbehera](#)

Leetcode : [pushpakant](#)

GitHub : [dyslevium](#)

HackerRank : [dyslevium](#)

COURSEWORK

Object Oriented Programming
Data Structures and Algorithms
Database Management Systems
Operating Systems
Computer Networks

SKILLS

PROGRAMMING

C/C++ • Go • TypeScript • SQL
HTML • CSS • Kotlin

FRAMEWORKS / LIBRARIES

NextJS • ReactJS • NodeJS

TOOLS / APPLICATIONS

Docker • Kubernetes • Helm • Git
GitHub • Terraform

MEMBERSHIP

CORE MEMBER OF PCON

NATIONAL INSTITUTE OF TECHNOLOGY

August 2023 | Jamshedpur

INTERESTS

Deep Learning • Artificial Intelligence

EXPERIENCE

ORACLE

ASSOCIATE SOFTWARE DEVELOPER

February 2023 - Present | Bangalore

- Architected and implemented real-time video analytics system processing **1M+** data points daily, improving stream quality detection accuracy by **85%**.
- Led the optimization of media transmission architecture, resulting in **60%** reduction in reconnection failures and **45%** improvement in bandwidth utilization.
- Engineered automated **WebRTC** statistics pipeline handling **10TB+** monthly data, enabling real-time performance monitoring and reducing debug time by **75%**.
- Developed cross-platform testing framework covering **200+** test cases, resulting in **90%** reduction in production incidents.
- Revolutionized build system efficiency by implementing automated protocol buffer generation, reducing build time by **65%** and eliminating manual errors across **50+** microservices.

PROJECTS

SHOPTRACKR

GO, PYTHON, KAFKA, GRPC, PROTOCOL BUFFERS, DOCKER, KUBERNETES, HELM, AWS ECS, TERRAFORM

- Architected a scalable event driven micro-service architecture for automated eBay scraping using user-defined criteria, with services communicating via **gRPC** and **Protocol Buffers** for efficient data serialization.
- Built a custom Go-based scheduler and **Python Scrapy** workers, orchestrated via **Kafka** for real-time job handling and multiprocessing.
- Deployed on **AWS ECS**, leveraging **Karpenter** and **KEDA** for dynamic scaling based on load, ensuring optimal resource use and performance.
- Integrated **Prometheus** and **Grafana** for robust real-time monitoring and alerting, ensuring high system availability and reliability.

Code Link : bitbucket.org/pushpakant-behera-freelance/scrapper-infra

TYPERACER

ANGULAR, NODEJS, SOCKETIO, DOCKER, MONGODB

- Developed a **multiplayer** typing game with **real-time feed backs** to user events.
- Implemented a **real-time leaderboard** system with metrics such as WPM(Word Per Minute), rank, and percentage of words completed.

Project Link : <https://typeracer-clone-socket.onrender.com>

Code Link : <https://github.com/DYSLEVIUM/Typeracer-Clone/>

ACHIEVEMENTS

- Ranked **2388th** / **16330** in **Leetcode Biweekly Contest 75**.
- Placed **1st** / **25** in **Autonomous Robotics Competition** held in the institute.
- Solved more than **2000** data structures and algorithms questions on various coding platforms.