

Vipin Rai P

SOFTWARE DEVELOPER, BRANE ENTERPRISES

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About

A technology enthusiast with a keen interest in the field of Software Engineering and with a post graduate degree in computer science engineering from IIIT Bangalore. Skilled in the field of backend engineering, data engineering and full stack development.

Skills

Programming languages Java, Python, JavaScript, C, SQL

Backend Technologies Spring Boot, Django, NodeJS

Frontend Technologies Angular, React

Databases Postgres, MySQL, MongoDB, ElasticSearch, Athena, Druid

Development tools Apache Flink, Git, Jenkins, Docker, Kubernetes

Key Domains Backend Engineering, Data Engineering, Full stack development , DevOps, Distributed systems

Experience

Brane Enterprises Private Limited

Bengaluru, Karnataka

SOFTWARE ENGINEER 2 / SOLUTION LEADER

July 2021 - Present

- **Technologies :** Spring Boot, Apache Flink, Apache Kafka, Elasticsearch, PostgreSQL, MongoDB, Java functional programming, Reactive programming, Docker, Kubernetes, React
- **Skills Acquired :** Backend Engineering, Data Engineering, Fullstack development, DevOps
- Development and maintaining of micro-services powering a No-code, Low-code platform.
- Development and optimisation of data pipelines using Apache Flink.
- Enhancing the search capabilities of the platform, development of APIs to query from secondary datastores like elasticsearch and athena.
- Involved in deployment of microservices using kubernetes, CI/CD using jenkins, argo and other DevOps activities.
- Bug fixes and enhancements to ensure stability.
- Onboarding and development of Jitsi, an open source videoconferencing platform.
- Benchmarking for Elasticsearch, Druid and other components.
- **Recognition :** Recognised as one of top performers in the engineering team for FY2022-23 and received a promotion.

Mistral Solutions

Bengaluru, Karnataka

SOFTWARE DESIGN ENGINEER

August 2017 - July 2018

- **Technologies :** Device Driver Development, Board support packages, System level programming in C, Networking and Socket Programming
- Software engineer in a team responsible for development of device drivers, board support packages for embedded systems.

Internships

BotZee, Inc

Bengaluru, Karnataka

SOFTWARE DEVELOPER INTERN

January 2021 - June 2021

- **Technologies :** Django, Django REST framework, MySQL
- Pursued my internship as a Software Developer at Botzee which aims to deliver robot as a service for restaurants and hospitals.
- Ported the existing Scala services to Django. Services are responsible for managing and receiving orders of restaurant order management system
- Implemented Restful APIs in Django framework.

Education

International Institute of Information Technology (IIITB)

MTECH COMPUTER SCIENCE

CGPA : 3.71/4

Bengaluru, Karnataka

2019-2021

SJCE (JSS Science and Technological University)

BACHELOR OF ENGINEERING

CGPA : 9.15/10

Mysuru, Karnataka

2013-2017

Projects

Web Application to visualize data of District Mental Health Programme of Karnataka

LANGUAGES AND TECHNOLOGIES USED : ANGULAR, D3, NODEJS, MYSQL, JAVASCRIPT, REST APIs

- A web application for visualization of data obtained from district mental health programme of Karnataka.
- Presented the work at Bangalore VIS Workshop 2020.

Patient Tracking System along with DevOps Toolchain

LANGUAGES AND TECHNOLOGIES USED : ANGULAR, NODEJS, MYSQL, JAVASCRIPT, GIT, JENKINS, DOCKER

- A web application to track the movement of a patient based on his travel history. Used DevOps toolschain for CI/CD

Web Application to display the course timetable

LANGUAGES AND TECHNOLOGIES USED : JAVA, HIBERNATE, HTML/CSS, JQUERY, MYSQL

- A web application that displays the timetable of the selected domain(MTech CSE, IMTech ECE, etc).

Ticket Booking System using System level programming in C

LANGUAGES AND TECHNOLOGIES USED : C, SOCKET PROGRAMMING, LINUX SYSTEM CALLS, LINUX FILE LOCKING MECHANISMS

- Developed a ticket booking system using Linux system calls and system programming concepts.

Certifications

- **Udemy : Master Microservices and Spring Cloud**
- **Udemy : Java Multithreading, Concurrency Performance Optimization**
- **Udemy : Apache Flink | A Real Time Hands-On course on Flink**
- **Udemy : Microservices- Designing Highly Scalable Systems**
- **Udemy : Software Architecture Case Studies**
- **AWS Cloud technical essentials**
- **Udemy : Web Development Bootcamp By Dr. Angela Yu**

Achievements

- Recognized as one of the top performer in the engineering team at Brane Enterprises for FY2022-23
- Secured All India Rank of **464** in **GATE Computer Science 2019** organized by **IIT Madras**
- Named to the IIITB Dean's List of Academic Year 2019-20