

SHATRUGNA RAO

APPLICATION DEVELOPER



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<https://github.com/Shatrugna-Strife>

Experienced Application Developer with a demonstrated history of working in IT and service industry. Skilled in Oracle DB, Java, and Full Stack development.

SKILLS

- Java Microservices (Micronaut, SpringBoot)
- SQL DB (MySQL, ORACLE)
- NoSQL DB (MongoDB, Aerospike)
- MERN Stack
- Kubernetes (Kubeadm, Kind Clusters)
- Jenkins CI/CD
- NodeJs (ExpressJs Backend)
- Flutter App Development
- Flask Backend
- Golang Basic Concurrency

EXPERIENCE

SENIOR ENGINEER - APPLICATION DEVELOPMENT

BluePi, Gurugram

Feb'22 - Aug'22

- Design and development of microservices for IDFC bank loan application in an agile team.
- Full stack development of bank lead generation application. And handled deployment on okteto cloud with integrated jenkins CD pipeline.

ENGINEER

BluePi, Gurugram

Jul'21 - Feb'22

- Developed React web components for road toll service web app.
- Contribution in developing CRUD operation for the above in SpringBoot Framework.
- Bug Fixes and performance analysis of IDFC bank loan application.

INTERN

Infinera, Bengaluru

Jan'21 - Jun'21

- Deployment of scalable MySQL DB Cluster and handled data integrity analysis.
- Worked on shell scripts to provide automated scaling of DB services.
- Developed cluster based solution with centralized storage of docker web IDE instances. (simplified cloud based Web IDE solution)
- Integration with active directory login system and wrote scripts for automated cluster deployment.

EDUCATION

SECONDARY SCHOOL

Sri Chaitanya School

Jul'15 - May'17

BE. COMPUTER SCIENCE

BITS Pilani

Aug'17 - Jun'21

COURSES

Cryptography, AI, Information Retrieval,
Compiler Construction, Network
Programming, IOT, Image Processing

PROJECTS (ACADEMIC AND PERSONAL)

COMPILER DESIGN

BITS Pilani

Apr'20

- Developed a compiled language whose compiler is programmed in C and generates an intermediate assembly code as its final output.
- Variable initialization, arithmetic operations, dynamic memory allocation and array operations

<https://github.com/Shatrugna-Strife/Compiler-Design-ERPLAG->

DOCUMENT RETRIEVAL

BITS Pilani

Feb'20

- A vector space model built from an inverted index of a million wikipedia documents to demonstrate document fetching based on user query.
- Demonstrated optimizations using championlist, stop words removal and spelling correction to improve accuracy and latency.

<https://github.com/Shatrugna-Strife/Document-Retrieval>

SPIRIT LEVEL TESTER

BITS Pilani

Apr'19

- 8086 processor based Proteus simulation and design. It displays a random 6 digit number with some delay and takes an input from the user, a buzzer beeps when entered wrong

<https://github.com/Shatrugna-Strife/Sprit-Level-Tester>

IOT VEHICLE MONITORING

BITS Pilani

Nov'20

- An Arduino project to monitor the acceleration and temperature of the car, along with danger alert.
- Notification system using blynk cloud services via mail, mobile notification and phone ring.

<https://github.com/Shatrugna-Strife/IoT-Vehicle-Monitoring-with-Blynk-n-Flask-Server>

SLACK ATTENDANCE BOT

BluePi Code-a-thon

Jun'22

- A slack bot built in golang, which records user presence for the entire and gives out an attendance mark (Present, Absent, Half Day) for that particular day after work.
- Google sheets is used for the storage of user presence data using sheets api.

<https://github.com/Shatrugna-Strife/slack-presence-attendance>

CAPSTONE APPLICATION LEAD

- A full stack loan lead application web app using react and mobile app using flutter (dropped mobile app due to time constraint).
- It consists of Backend server using expressJs Framework, multiple Microservices using java Micronaut.
- A cache DB and persistent DB storage implemented. Aerospike DB for cache, and MongoDB for persistent storage.
- The project has jenkins CD pipeline integrated to okteto cloud.

<https://github.com/SassGroup> (Latest update and documentation of project on hold)

SOCIAL MEDIA APP - MERN STACK

- A MERN Stack application consisting of user signIn and signUp, jwt authentication, user profile edit and a simple user post creation and update.

<https://github.com/Shatrugna-Strife/social-network-react>

<https://github.com/Shatrugna-Strife/Social-Network-Node-API>