Shivaratnakumar Patil

E-mail : shivaratnakumarpatil@gmail.com

Website: https://shivaratnakumar.github.io/myinfo
https://www.linkedin.com/in/shivaratnaku
patil-6967659a

Phone : 08050372422
06363746981

Address: At: Kamatenatti Post:
Karoshi
Tq: Chikkodi Dt: Belagavi

Work experience

Accord Global Technology and Solutions Pvt Ltd Bengaluru   Jul 2017 — Present
Software Engineer

To tell about my self, I am an observant and effective problem solver. Eager to learn new technologies and help organization in developing and deploying the software applications. I have hands on experience of around 2+ years on full stack web applications development in my total of 3.6 years of experience till now. Below are the projects worked:

- **Slot Booking Web and Android Application**
    - Technologies used: Angular, Python Django, Java , Postgre SQL
    - Deploying tools: Apache Tomcat, Apache web server
    - IDE used: Visual Studio Code, Android Studio
    - Prototype tool: Adobe XD
    - Debug tools: Postman
    - Version control tool: Gitlab
    - Responsibilities:
        - Involved in complete life cycle of the project.
        - Implemented project with MVC architecture.
        - Used Angular Services effectively.
        - Implemented secured login with JWT interface.
        - Implemented responsive web pages using bootstrap CSS and media queries.
        - Implemented complex dynamic layout display and cubicle/parking selection and booking module.
        - Implemented Recursive booking using CRON scheduler.
        - Written Unit test for each components and executed on jasmine framework.
        - Implemented android application for the same using java with MVVM architecture.
        - Implemented REST APIs for CRUD(Create, Retrieve, Update, Delete) operations using Python Django framework.
        - Backend queries to database are enriched with preventing SQL injection attacks.
        - Used Sonarqube for eliminating code smells and vulnerabilities on front end and Pylint for backend.
        - Frontend code is deployed in Apache Tomcat Server and backend code to the Apache web server.
- **Network Diagnostic Web Application**
    - Technologies used: Angular, Python Django, Postgre SQL
    - Deploying tools: Apache Tomcat, Apache web server
    - IDE used: Visual Studio Code
    - Version control tool: Gitlab, SVN
    - Debug tools: Postman
    - Responsibilities:
        - Involved in development phase of the project.
        - Implemented GUI model with MVC architecture.
        - Designed and implemented compact configuration pages for devices configuration for monitoring.
        - Implemented tree data structure as a custom directive in the application.
        - Implemented graphical view modules with d3 charts.
        - Implemented network bandwidth monitoring module using SNMP protocol.
        - Implemented risk factor calculation and mailing module.
        - Developed RPM files for releasing and automated installation.
        - Written test case document for the application.

- Front end code is deployed in Apache Tomcat Server and backend in Apache Web Server
- **Data Extraction Web Application**
  - Technologies used: Angular, Java Spring MVC, Postgre SQL
  - Deploying tools: Apache Tomcat
  - IDE used: Visual Studio Code
  - Version control tool: SVN
  - Debug tools: Advanced Rest Client
  - Responsibilities:
    - Involved in development phase of project.
    - Implemented compact dashboard and graphical view modules.
    - Implemented Report scheduling module using CRON expressions.
    - Implemented GUI models with multi-language support.
    - Enhanced login authentication module with cryptojs.
- **Skill Tracking Web Application**
  - Technologies used: Angular, Java Spring MVC, Postgre SQL
  - Deploying tools: Apache Tomcat
  - IDE used: Visual Studio Code
  - Version control tool: SVN
  - Debug tools: Advanced Rest Client
  - Responsibilities
    - Involved in complete life cycle of the project.
    - Designed and implemented various GUI models with MVC architecture.
    - Implemented responsive web application using HTML5, bootstrap CSS and media queries.

- **Connectivity Control Unit**
  - Technologies used: Embedded C, Python
  - IDE used: Codeblock, Atmel Studio, Tera Term
  - Version Control tool: SVN
  - Responsibilities:
    - Involved in developing boot loader software application using UART and SPI drivers.
    - Implemented Digital input output module, EEPROM read write modules.
    - Implemented test automation tool using Python.
    - Involved in manual testing of software and integrated system testing.

- **G3PAC air conditioning solutions**
  - Technologies used: Embedded C, Python, Protobuffer
  - IDE used: IAR embedded work bench
  - Tools used: Thingsboard platform, Thingsboard gateway
  - Responsibilities:
    - Implemented Service Checker application using python.
    - Service checker module uses USR-WIFI232 serial converter with UART to fetch data from Indoor and Outdoor unit.
    - Implemented dashboard and control widget screen on Thingsboard IoT platform to display the service checker read data through Thingsboard gateway.
    - Implemented custom configuration for USR WIFI232 device to communicate through WiFi.
    - Implemented application layer software modules for Indoor and Outdoor units using protobuffer technology, such as forced cooling, under over voltage detection,leak sensor detection, external input output sensing, humidity sensing modules.

Qualifications

- Test Dome certificate for Test script and Angular.
- Completed udemy training course for Spring Boot with Microservices and React JS.

Education

Computer Science and Engineering   Jun 2013 — Jun 2017

KLS Gogte Institute of Technology, Belagavi

I was an enthusiastic learner completed my bachelor degree with decent score under VTU.
Below are the academic projects participated :

- **Carpooling- A MEAN stack web application**
  - Technologies used: Angular Js, Express Js, Node Js, MongoDB
  - Responsibilities:
    - Implemented GUI pages with HTML and bootstrap CSS.
    - Designed and implemented database schema with mongodb.
    - Used express js to handle REST API calls.
- **Kalpavriksha- A MEAN stack web application.**
  - Technologies used: Angular Js, Node Js, Express Js, MongoDB
  - Responsibilities:
    - Implemented various GUI pages with HTML and bootstrap CSS.
    - Implemented database with mongodb.

Interests

- Technical blogging.
- Participating in coding challenge such as hacker rank , hacker earth contests.

References

References available upon request.

Declaration

I hereby declare that above mentioned information is correct and valid to the best of my knowledge.