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Work experience

Accord Global Technology & Solutions Pvt
Ltd, Bengaluru

Jul 2017 — Present

Software Engineer

Started My Career here from July 2017 and presently working here.

Web Application Projects Participated

1) Performed Software Development activity for 'Employee Skill Tracking Tool' project.

Technologies used : Angular JS, Java Spring Boot, Bootstrap 3, HTML 5, PostgreSQL

Tools used : Sublime, eclipse, npm, bower, gulp, Apache Tomcat

Responsibilities :

Front end:

- a) Involved in **complete life cycle** of the project.
- b) Designed and implemented **complex GUI** pages.
- c) Used various **angular charts** in complex Dashboard page for data visualization.
- d) Implemented static **configuration handling** module, **authentication** with session management and **authorization** handling module, **SQL injection attacks** handling module,
Reading excel file and converting data read into **JSON** format module, **data logger** module,
Password Reset module etc. with the help of angular services and directives.
- e) Developed application to fit to **various screen** sizes such as desktop, laptop, tab and mobile.
- f) Implemented **gulp task** runner for building and to do code review of the application with help of **SonarQube**.
- g) Tested the application manually.
- h) Deployed Project into **Apache Tomcat** Server. **http requests** are handled via **SSL certificate**, this is been generated through Java.

Back end:

- a) Designed and Implemented **authentication and authorization** modules.
- b) Designed and Implemented **REST API's** to support **mail sending** module, **Data logger** module, **Bulk updating** of employee skill details.
- c) Written **complex SQL queries** to fetch and update database for API needs, Updated **SQL queries** to handle **SQL injection** attacks.
- d) Deployed **.war** file into Tomcat.

2) Performed Software Development activity for 'Data Extraction Tool' project.

Technologies used : Angular JS, Java Spring Boot, Bootstrap 3, HTML 5, PostgreSQL

Tools used : Sublime, eclipse, npm, bower, gulp, Apache Tomcat, Postman

Responsibilities :

Front end:

- a)Involved in **development cycle** of the project.
- b)Designed and implemented various GUI pages such as Dashboard, Report analysis, Configuration.
- c)Implemented **Multi Language** support module, scheduling reports using **CRON expressions**, **PDF viewing and downloading** module with **JSPDF**, **complex Graphs** displaying module for data visualization.
- d)Added Authentication module, SQL injection module.
- e)Developed application to fit to **various screen** sizes such as desktop, laptop, tab and mobile.
- f)Implemented **gulp task** runner for building and to do code review of the application with help of **SonarQube**.
- g)Used **Karma** to test GUI modules.

Back end:

- a)Designed and Implemented **authentication and authorization** modules.
- b)Designed and Implemented **REST API's** to support **Report Scheduling and Executing** module with **CRON expression**, **Data logger** module.
- c)Added **RPC login** method alongside REST login.
- d)Written **complex SQL queries** to fetch and update database for API needs.

3)Performed Software Development activity for 'Network Diagnostic Tool' project.

Technologies used : Angular 8, Python django, Bootstrap 4, HTML 5, Postgre SQL

Tools used : Visual Studio Code, Pycharm, npm, Apache Tomcat, Postman, Apache,

Linux cent OS

Responsibilities :

Front end:

- a)Involved in **complete life cycle** of the project.
- b)Implemented **Authentication with JWT**, Role based authorization, various complex GUI pages with **Angular material CSS**.
- c)Used browser **cookies service** to store session token.
- d)Used **authentication guards** before rendering components and used **http interceptors**.
- e)Implemented Dashboard page with **d3 Charts** for data visualization.
- f)Implemented complex **IP monitoring and SNMP Analysis** pages, these involved in creation of **dynamic DOM** elements.
- g)Updated CSS to make application **responsive**.
- h)**Karma** is used to test **GUI components**.
- i)Deploying project into Tomcat server, updated tomcat config files to handle **data encryption**, **anti-click hijacking** options.

Back end:

- a)Designed and Implemented **authentication and authorization** modules. Authentication is done with **LDAP credentials**.
- b)Designed and Implemented **IP monitoring** module with the help of NMAP tool, **SNMP diagnosis** module with Linux commands, **Bandwidth** and **traffic flow** port **risk** analysis module, **Alert And Notification** module, **Mail service** Module with **SMTP** server.
- c)Implemented **RPM files** for releasing the code and tools for deployment and installation in client environment.

4)Performed Software Development activity for 'Slot Booking Tool' project.

Technologies used : Angular 8, Python django, Bootstrap 4, HTML 5, Postgre SQL

Tools used : Visual Studio Code, Pycharm, npm, Apache Tomcat, Postman, Apache,

Linux cent OS

Responsibilities :

Front end:

- a)Involved in **complete life cycle** of the project.
- b)Implemented **Secured login** and other API interaction with **JWT interface**. Used **cookies service** to store session token.
- c)Implemented **Factory module** to data exchange among different components
- d)Used **angular idle service** to detect no action and triggering log out.
- e)Designed and implemented complex **layout display** and **seat selection** page. Used Layout map files and converted to **SVG**.
- f)Used Karma to test GUI components.

Back end:

- a)Implemented **Booking Seat** Module.

Embedded System Projects Participated

1) Performed Software development activity for the 'Connectivity Control Unit (CCU)' project.

Responsibilities:

- a)Involved in development of software in C for **Boot loader** application. Which involves implementing modules like **EEPROM, RTC,GPIO, SPI and UART** drivers
- b)Code written compatible to **MISRA-2012** standard
- c)Involved test automation tool development using Python. Tool used to extract data from log files and sent to web application as well as in excel sheet.
- d)Involved in debugging and bug-fixing Customer issues.
- e)The tools used are Subversion and Atmel Studio.
- f)Involved in manual testing of the software (both unit testing and system testing).

2)Performed Software Development activity for 'G3PAC-Air Conditioning Solutions' project.

Responsibilities:

- a)Involved in development of '**Service Checker**' tool. Tool is designed to help service/lab engineer to quickly analyze the units connected (Indoor/Outdoor) and display over web/mobile application.
- b)Service Checker application is built using python and **Protobuffer** technology.
- c)Service checker tool used **USR-WIFI232** serial converter devices to fetch data from respective indoor and outdoor units through UART.
- d)The service checker read data is displayed on the **ThingsBoard IoT platform** using **ThingsBoard IoT gateway**.
- e)Developed Dashboard, custom control widget to simulate Remote Control unit on ThingsBoard Platform.
- f)Involved in application layer software development for Outdoor and Indoor unit.
- g)Involved in application development such as External Input Output detection module, Function selection module, Forced Cooling operation triggering, Under/Over voltage detection module, Leak sensing detection module.
- h)The tools used are IAR embedded workbench, GitHub, SVN.
- i)Involved in manual testing of the software.

Education

B.E(Computer Science and Engineering)

Jun 2013 — Jun 2017

KLS Gogte Institute of Technology, Belagavi

GIT was been associated with VTU during the above period. Graduated with decent performance.

Below are the Academic Projects participated.

1)Performed Software Development activity for ‘Carpooling’ a MEAN stack project.

Technologies used: Angular JS, Node JS, Express JS, HTML, Boot strap, Mongo DB.

Tools used : Visual Studio Code, Postman, Node Server, Robo Mongo

Responsibilities :

Front end:

a)Involved in **complete life cycle** of the project.

b)Implemented GUI pages for **searching** of nearby car pooler, **tracking of user** position with loading **google map** module, **user profile** module.

c)Manual testing of software.

Back end:

a)Designed database with MongoDB.

b)Implemented **fare calculation** module for the ride, notifying user with mail using **Nodemailer** in Node JS.

2)Performed Software Development activity for ‘Kalpavriksha’ a MEAN stack project.

Technologies used: Angular JS, Node JS, Express JS, HTML, Boot strap, Mongo DB.

Tools used : Visual Studio Code, Postman, Node Server, Robo Mongo

Responsibilities :

Front end:

a)Involved in **development cycle** of the project.

b)Implemented GUI pages for **searching** of subscriber, **user waste product bags** handling module, **user profile** module.

c) Bootstrap CSS is used for making application responsive.

Back end:

c)Written queries to fetch and update as per the API needs with Robo Mongo tool with MongoDB.

d)Implemented **reward calculation** module as per the collected bags., notifying user with mail using **Nodemailer** in Node JS and **SMS service**.

Pre - University Course

Jun 2011 — Apr 2013

Govt P U College, Majalatti

PU course has been completed with -Physics, Chemistry, Mathematics, Biology.

Interests

1. Web and Mobile application development.
2. Learning New technologies.

References

References available upon request.

Declaration

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