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# **Profile Summary:**

- Proven IT Professional with 3 years of experience in Full Stack Development, with hands of experience in J2EE, Spring, Spring Boot, Angular, Web Services and React.
- Good working experience on frameworks including SPRING MVC Framework.
- Good Working experience in using different modules like **Spring Core Container** module, Spring **Application Context** module, Spring **MVC Framework** module, Spring **AOP Module**, Spring **ORM module** etc. in Spring Framework.
- Responsible for creating a new application used by Company management to keep track of their Employees, Clients,
   Client Policies using React, Material UI, HTML, CSS, Java, Spring, Spring Boot, REST Services and PCF.
- Application designed and developed using Java, J2EE, JavaScript, Spring MVC, Spring boot, Hibernate, Spring Integration and RESTful Services.
- Strong skills in Object Oriented design and development (OOAD).
- Good experience in using testing frameworks like JUnit, Mockito, Unit testing, Module testing and Integration testing.
- Experience in using **JDBC** to have database access mechanism to connect the database and to get the data from database.
- Developed applications using IDEs like Eclipse, IntelliJ, Visual Studio Code, Brackets and Sublime Editor.
- Good experience in **ORM** technology like **Hibernate**.
- Identify and raise production defects in Release Management and Defect tracking tool like Quality Control.
- Good experience in using AJAX as a Web Development technique to have interactive web applications.

#### **Education**

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL

AUG 2017 – MAY 2019

Master of Science in Computer Science CGPA: 3.8/4

**Data Analytics Specialization** 

Madras Institute of Technology, ANNA UNIVERSITY, INDIA AUG 2011 -- MAY 2015

B. TECH, Electronics and Communication Engineering CGPA: 8.5/10

# **Technical Skills**

LANGUAGES: SQL, C, C++, Java, JavaScript, R, HTML, CSS, Python, Angular Js, Angular 5+, Bootstrap, Servlets, Spring Boot, React Js

**DATABASE** : MySQL **WEBSERVICES** : RESTful, JPA

TOOLS : Eclipse, RStudio, Microsoft Office Suite, Visual studio code, Git, Jenkins, Docker

OS : Windows, Linux

Platforms : Pivotal Cloud Foundry (PCF), Amazon Web Services (AWS)

SDLC : Agile, extreme Programming (XP), Test Driven Development (TDD)

CERTIFICATIONS : Angular5, Angular7, React 16, AWS Solutions architect, CCNA Routing and Switching at CISCO Networking Academy, C, C++,

JAVA, DTMF based embedded System development.

AWARDS : Outstanding Performance award for timely delivery of Business Center Portal as per client requirements.

# **Professional Experience**

**CREOSPAN INC** 

FULL STACK DEVELOPER | CHICAGO

NOV 2018 - MAR 2019

Project: Design & Development of Employee Portal, USA (Chicago)

Technology: Spring Boot, Java, HTML, CSS, JavaScript, Bootstrap, React JS, material-UI, MYSQL, PCF

Role: Full Stack Developer

**Description:** 

Designing and developing Employee Portal service that help the company to maintain the employee details, client details and the policies associated with the client. Spring Framework (Spring Boot), JPA with Restful services were implemented to obtain the required information stored in the MYSQL database. The User Interface was developed using Angular5+ and React Js and made use of Rest Services to display content and used material-UI to make the application responsive. Used test-driven development (TDD) as a development practice and followed extreme programming. Responsibilities:

- Develop RESTful web services, design and implement responsive web pages.
- Build and Deploy the application in Pivotal Cloud Foundry.

#### **INFOSYS LTD**

#### SYSTEM ENGINEER | CHENNAI

Project: AT&T (American Telephone and Telegraph) Corporation, USA (Dallas)

Technology: Angular, HTML5, CCS3, JavaScript, Web Accessibility, Adobe Analytics, Java, Spring Framework.

Role: Full Stack Developer

**Description:** 

Enhancing the Business Center portal for the AT&T users that helps users to purchase new services provided by AT&T Corporation.

Technology used it's is a Spring application with Angular as the frontend framework, build using maven and deploy in the server. Following Agile methodology and test-driven development (TDD) approach as development practice.

#### Responsibilities:

- Worked in setting up data for multiple API's in ICDT server.
- Unit testing for AT&T Business center portal.
- Receiving information from the API's, Modifying the data and sending the required information to be displayed on the UI from the Backend.
- Developing new web pages as per the client requirements.
- Maintaining web accessibility for web pages using NVDA Screen Reader, VAT Toolbar and Fire Eyes software.
- Updating Quality Center. It is a software which offers quality assurance, including requirements management, test management and business process testing for IT and application environments.

# CISCO NETWORKING ACADEMY: STUDENT TRAINEE | CHENNAI

**DEC 2013 - APR 2014** 

NOV 2015 -- JULY 2017

Technology: C#, Data Structures, Routing, Switching

Role: Student Programmer

# **Description and Responsibilities:**

- Describe the devices, role of protocol layers and services used to support communications in data networks and the internet.
- Addressing and describing various naming schemes at various layers of data networks in IPv4 and IPv6 networks.
- Explain fundamental Ethernet concepts like media, services and operations.
- Building a simple Ethernet network using routers and switches.
- Use Cisco command line interface commands to perform basic router and switch configurations.
- Utilize common network utilities to verify small network operations and analyze data traffic.

UNIQ TECH INPLANT TRAINEE | CHENNAI

NOV 2013 - DEC 2013

Project: Enhancing the Web Portal of the Company.
Technology: Java, JavaScript, HTML, CSS, Bootstrap

Role: Web Developer Description:

Feature Enhancement of web portal associated with the company using HTML, CSS, JavaScript and Java. The User interface was made reactive and user friendly. Web portal involves details of the company like Contact, location, Technologies used, upcoming event and search feature to get details of the individual Employee. Responsibilities involves design and development of Web portal and pushing the changes in the Git Repository.

# SIMPLE LABS (INTERNSHIP) PROGRAMMER | CHENNAI

JUN 2013 - JUL 2013

Project: DTMF Bases Access Control System.

Technology: C, Embedded Systems, Microcontrollers.

Role: Programmer Description:

Building DTMF based Access control Systems by programming the microcontrollers for Embedded Applications. ATmega328 Microcontroller was used in programming the microcontroller using the open-source Arduino IDE. In addition to building the Control System I was trained to interface a variety of Sensors, actuators and Peripheral Devices.

#### **ACADEMIC PROJECTS**

#### **Shopping Portal (Web Application Development):**

Technology: Angular7, HTML, CSS, Bootstrap, Webpack, AWS

• Shopping Portal Application is a responsive application developed with angular7 features where a user can login and route to recipes to view all the recipes, recipe details and has the ability to add ingredients for the recipe to the shopping list. The user also has a shopping list view where he can view all the Ingredients added to the cart and proceed to the payment.

# Smart Portable (Web Application Development):

Technology: Java, JavaScript, Ajax, Servlets, Twitter, MySQL, Mongo DB, Data Analytics

Smart portable Application is used to help users to buy smart devices and assists the admin with various data analytics
functionalities. Tomcat server used to start the application, MYSQL server used to store the logins, products and the orders,
Mongo DB server to store the reviews and assist in trending, Data Analytics features, Twitter server to provide Best Deal
matches offers and Carousel feature to assist users with recommendations to the products in the cart.

# **Document Similarity:**

Technology: R, Data Mining Techniques

• Finding users who have watched similar movies form a set of 671 user documents containing User ID, Movie ID, Title and Genre using Shingling, Min Hashing and Locality Sensitive Hashing techniques.

# **Review Rating Prediction (Recommender System):**

Technology: R, Data Mining Techniques

 Recommending movies to users and predicting the ratings of a movie corresponding to a user based on user preference or similar users who have rated the movie. Dataset used consists of 671 users and 9126 movies. Recommendation system predicts ratings based on User-User similarity, Item-Item similarity and Cosine similarity techniques.

### Image Classification (Deep Learning):

Technology: Python, Google Collab, Neural Networks

 Designed models using SVM, KNN, Neutral Networks and Transfer learning technologies with the training set and obtained good F1 score of 80% on the test set using Neural Networks Technology. The F1 score obtained was based on classifying Bush/Williams images from a set of images.

## Tera sort Implementation using Shared memory, Hadoop, Spark:

Technology: Java, Linux

• It involves implementation of tera sort in three ways on dataset generated using gensort. The implementation of sorting done using inmemory external merge sort, Hadoop and Spark framework are compared for efficiency which is measured with respect to execution time and throughput. Validation of the sorted result is done on the Chameleon cluster.

## Implementation of System Calls and Performing Address Translation:

Technology: C, Linux

• This project involves implementation of process state, malloc, free, Iseek system calls and address translation from a given virtual address to physical address in a multi-level page table of xv6 architecture. We implemented this project successfully in C and verification was done using GDB debugger.

## Implementation of Kruskal's and Prim's algorithm:

**Technology:** Java, Algorithms, Data Structures

As part of the curriculum, we implemented Kruskal's and Prim's algorithm to find the minimum spanning tree in a given network topology.
 We implemented this algorithm in java and were successful in providing GUI.