

UNISH SHAH

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Summary

Team player software engineer with a can-do attitude, phenomenal time management skills and a strong user focus. Has developed several web and desktop apps including an encryption system using image steganography and cryptography.

Work Experience

Software Developer, TATA Consultancy Services

Jan 2019 – Present

Personal Finance Management System

A Web application to track their personal finances like Property, Loan, Bank Account and Credit & Debit Card. User can track their monthly and yearly transactions including loan amount, properties and even 401(K). Provides all finance necessities and documents.

Environment:

- Front End - Angular 7, Ionic 4 Framework, Visual Studio Code
- Back End – Spring Boot, JPA, Hibernate, Postgres, Postman

Responsibilities

- Worked extensively on Spring Boot and Hibernate for building web service.
- Worked on different layers of Spring MVC architecture such as Spring-Controller, Service and repository classes.
- Used Hibernate to provide relation to the database using the classes form each table. Also, Relational Mapping between tables that had foreign keys.
- Tested Rest APIs in spring-controller at backend for JSON data using Postman.
- Designed the UI for the front-end using Angular and Ionic frameworks.
- Connected the backend to frontend using Angular routing and services.

Hospital Management System

A Hospital management application which stores and displays the details of patients, doctors, medicines, lab reports, rooms and generates the bill of patients once they are discharged.

Environment:

- Angular 7, Ionic 4 Framework, Visual Studio Code
- Back End – Microservices, Eureka Server, Spring Boot, Feign Client, JPA, Hibernate, Postgres, Postman

Responsibilities

- Worked with Spring Boot and Microservices to build the application.
- Used MVC model to build the application, hibernate to connect to databases.
- Used Feign client to connect services of different Microservices together.
- Hosted microservices using Eureka server.
- Connected the backend to frontend using Angular routing and services.
- Tested Rest APIs in spring-controller at backend for JSON data using Postman.

Research-IT Assistant, Federal Reserve Bank of Atlanta

Aug 2018 – Dec 2018

- Designed and created an Inventory check-in/check-out form for bank employees using HTML, CSS, JavaScript and Node.js
- Designed and created automation workflows for several bank modules using SharePoint

Graduate Teaching/ Research Assistant, Georgia State University

Aug 2017 – Dec 2018

- Taught Java Programming to 46 students and increased the class performance by 25% in final exams with the help of one-on-one tutoring.
- Proposed a novel secure framework for Hadoop which is faster than the current implemented Framework. Developed unique encryption algorithms for Hadoop framework which uses variable key length.

Education

Georgia State University, Atlanta, GA

Aug 2017 – Dec 2018

- Computer Science | Master of Science
- GPA: 3.84/4.00

Institute of Technology and Management, Gujarat, India

Jul 2013 – May 2017

- Computer Science | Bachelor of Science
- GPA: 8.36/10 .00

Skills

JAVA | SPRINGBOOT | ANGULAR | NODE.JS | EXPRESS.JS | MONGODB | POSTGRES | HTML | CSS | JAVASCRIPT | BOOTSTRAP | MYSQL | MVC

Certificates

HTML Essential Training | CSS Essential Training | JavaScript Essential Training | Bootstrap Essential Training | Angular Essential Training | Sass Essential Training | Git Essential Training