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Dedicated and motivated software engineer seeking a full time opportunity in a dynamic work environment to enhance my skill set and achieve my career goals.

EDUCATION

NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC, USA

Expected May, 2021

Master of Computer Science, 4.0 / 4.0

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore, KA, INDIA

June, 2015

B.E in Telecommunication Engineering, 81%

RELEVANT COURSEWORK: Algorithm, DevOps, Automated Learning and Data Analysis, Software Engineering, Algorithms for Business Intelligence, Database Management Systems, Deep Neural Networks, Natural Language Processing.

PROFESSIONAL EXPERIENCE

SOCIETE GENERALE GLOBAL SOLUTION CENTER, Bangalore, KA, INDIA

August 2015 – August 2019

SPECIALIST SOFTWARE ENGINEER

- Developed User Interface using Angular, ASP.NET Web API, JavaScript, Web Services and Node.js to display transaction data reported to global regulators (MIFID, MMTR, DTCC).
- Used various software design patterns such as MVC, singleton, factory for designing efficient software solutions.
- Implemented OAuth2 and OpenID Connect based on authentication performed by an authorization server.
- Optimized Oracle queries, procedures, functions, sequences, indexing to maintain huge quantities of data and improve the application performance.
- Experience with props and state management in React, Webcomponents and implemented Statistical dashboard for Post Trade Transparency deals.
- Created DAO classes to implement CRUD operations by using JDBC transactions.
- Experience with Angular Dependency Injection, Services, Routing, pipes, Animations, Forms, RXJS.
- Involved in various phases of Software Development Life Cycle (SDLC) using Agile Methodology and followed Jira and Scrum sessions.
- Built a tax computation engine using Angular and Spring Boot for SG-SYDNEY and SG-DUBAI perimeter.
- Hands on knowledge of using build tools, Gulp, Grunt, NPM, Webpack, REST web services for package management and installation.
- Prepared technical documents and followed Test Driven Development by writing test cases using Karma and Jasmine.
- Good knowledge of continuous Integration with Jenkins and continuous delivery.
- Participated in ML Hackathon: ETF and Bond Trading, to automate trade selection at SGGSC.

INNOVATIVE EDUCATIONAL COMPUTING LABORATORY - NCSU, Raleigh, NC, USA

May 2020 - Present

GRADUATE RESEARCH ASSISTANT

- Implement a scalable web application using MySQL, SpringBoot and Angular to build a Mathematical Tutor based on AI Expert System.
- Used Apache Ant build tool to generate an executable jar file and used Java dynamic class loading and reflections to re-use functionality.
- Created tutor interfaces using the Cognitive Tutor Authoring Tools (CTAT) Html editor and integrated the html file into the WebAPLUS application.
- Implemented service side application using Java Servlet, JSP and implemented Model View Controller Structure.
- Experienced in version control tools GIT, bash, Terminal and various bug tracking tools like GIT project board.
- Used POSTMAN and Swagger UI as visual documentation for back-end implementation and client-side consumption.
- Refactored code to improve its maintenance and extensibility and reduce its complexity.

TECHNICAL SKILLS

Java, Spring Boot, JavaScript, TypeScript, C#, ASP.NET WebAPI, Angular, React, Oracle DB, Mysql, Nodejs, SQL, Python, R, PHP, Linux, Web Services, Microservices, Amazon Web Services, AWS Lambda, Docker, GraphQL, MongoDB, Tensorflow, Keras, Karma, Jasmine, REST APIs, UX AdobeXD, Jenkins, Apollo Server.

PROJECT EXPERIENCE

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- Used docker to run multiple containers with different versions of JDK and Tomcat on Ubuntu.
 - Developed complex REST Service in AWS Lambda by making use of AWS API Gateway and worked with POJOs, JSON and S3.
 - Built GraphQL API with Apollo Server and consumed a GraphQL API with Apollo Client and React.
 - Created Spring boot and react application and made use of Amazon S3 to store files and images.
 - Developed Hospital Dashboard Application to effectively aid and process patients using Java and Oracle DB.
 - Created a Recourse application to facilitate easy course selection for undergraduate students using Angular, SpringBoot and MySQL.

AWARDS & RECOGNITIONS

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- Star of the Quarter Q4(2017) for Mifid, Spot Award for Mifid, Portfolio Reconciliation, Replay and SG dashboard.
 - Secretary of IETE (The Institute of Electronics and Telecommunications Engineers) forum and Duke of Edinburgh award.

PUBLICATIONS

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- Published research paper on “Predicting Fraud in Electronic Commerce: Fraud Detection Techniques in E-Commerce” IJCA, 2017.
 - Published research paper on “A Machine Learning Approach to Forecast Bitcoin Prices” IJCA, 2018.