

KARRA SAI KARTHIK

SOFTWARE DEVELOPER

Contact

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Summary

Detail-oriented Software Developer with extensive experience in React JS, Java, Node JS, and Spring Boot. Proficient in DevOps practices, containerization, and cloud deployment, ensuring seamless integration and delivery of applications. Expertise in developing comprehensive test plans and automating test cases to enhance testing efficiency and ensure high-quality software delivery. Proven ability to provide valuable insights during product design reviews, contributing to the creation of robust and scalable software solutions. Committed to delivering innovative applications that meet user needs and drive business success.

Employment

Centre for Development of Telematics(C-DOT) Software Developer

New Delhi
Feb. 2023 to Current

1. National Security Project:

Web Development: Conceptualized and designed dynamic web pages utilizing Java and JavaScript libraries, enhancing user engagement and functionality.

Data Management: Oversaw the web application's data operations and user management roles, leveraging PostgreSQL to ensure robust data handling and security.

API Testing: Conducted thorough validation and API testing of developed features, streamlining workflows and ensuring optimal performance.

2. Mobile-Enhanced Disaster Resilient Emergency Alerting System:

Web Application Development: Led the ideation and development of web applications using React JS and Node JS frameworks, focusing on user experience and responsiveness.

User and Session Management: Designed and implemented user role and session management workflows with React libraries, creating a secure and intuitive user interface.

Database Management: Handled data-driven operations efficiently using MySQL and MongoDB, ensuring consistent data availability and integrity.

Comprehensive Testing: Executed API testing, functional testing, and stress testing on web applications to validate performance and reliability, contributing to a high-quality product.

Test Automation: Streamlined testing processes by automating web application testing with Cypress, achieving a 70% reduction in manual effort and testing time.

Scripting for Performance: Developed automated Shell scripts for memory management of applications, optimizing resource usage and application efficiency.

Team Collaboration: Collaborated effectively with team members to ensure project milestones and deliverables were met on schedule, fostering a productive and cohesive work environment.

Wipro Java-GCP Intern

Remote
Apr. 2022 to Sept. 2022

Web Development Skills: Proficient in HTML, CSS, JavaScript, Java, and MySQL, with hands-on training in the AngularJS framework. This foundation enables the creation of responsive and dynamic web applications.

Cloud Computing Expertise: Experienced in cloud computing concepts, including infrastructure, storage, and networking, with practical training on Google Cloud Platform (GCP), providing a strong understanding of scalable cloud solutions.

E-Commerce Development: Successfully developed and deployed a fully functional e-commerce website on a cloud platform, showcasing the ability to create user-friendly and secure online shopping experiences.

Project Management: Proven track record of consistently meeting project deadlines and deliverables, demonstrating strong organizational skills and commitment to delivering high-quality results.

Education

Guru Nanak Institutions Technical Campus

June 2018 to Sept. 2022

Bachelor of Technology Electronics and Communication Engineering 2022

* Secured a total of 9.2 GPA/CGPA

* Honoree of Gold Medal for Academic Excellence.

* Completed Coursework: Java programming through NPTEL.

* Completed Coursework: Python Fundamentals

Projects

Weather Application

Aug. 2024 to Aug. 2024

- A Responsive Weather application Website crafted with React and Vite JS and styled using Tailwind CSS, powered by data from OpenWeatherMap.
- Offers 3-hour and daily weather updates for any location.
- Displays real-time weather for the user's current location and any city globally.

Food Order App

Sept. 2023 to Oct. 2023

- This application has been developed using React as the client-side framework and Node as the server-side framework.
- The application reflects features like user management, Session management using the JWT Tokens, Cart functionality, and Search functionality

Shop For Home

July 2022 to Aug. 2022

- This project is developed with the team of 6 individuals.
- An e-commerce website featuring online home decor using the Angular framework, Java, and Spring Boot Architecture.
- This website reflects features like User management, Product Filters and Search functionality, and Cart functionality.
- Later, the same application is deployed in the Bucket Storage of the Google Cloud Platform using the Kubernetes deployment

Food-App with UI/UX

Oct. 2022 to Oct. 2022

- Ideated and Developed the Food order applications with landing pages.
- Indulged in using the wireframes and prototype concepts in UI/UX.
- Developed using the Figma Tool.

Skills

LANGUAGES

JavaScript

Java

SQL

FRAMEWORKS & LIBRARIES

React JS

Node JS

Express JS

SpringBoot

DEVOPS AND TOOLS

Git

Docker

Jenkins

IDE & TOOLS

Visual Studio

Apache Netbeans

Eclipse IDE

CORE CONCEPTS

Cloud computing

Problem solving

Datastructures and Algorithms

Awards

Gurunanak Institutions Technical Campus · Sept. 2022 Gold Medal for Academic Excellence

Honouree of the Gold Medal for academic excellence in the department of Electronics and Communication Engineering with CGPA 9.20

Certifications

Oracle Certified Cloud Associate.

Cloud-GCP certification by Great Learning

NPTEL certification in Java programming