Surya Kumar

AI Full-Stack Developer

Experienced AI Full-Stack Developer with 7 years of expertise in building responsive, user-centric web applications. Proficient in **React, NextJS, Python, React-Query, TypeScript, JavaScript**, and Jest for unit testing, along with **Cypress** for E2E automation testing. Skilled in working with **MongoDB, MySQL**. Strong background in **Algorithms, Microservices, API Integration**, and version control tools like **Git, GitHub**, and **BitBucket**. Experienced in Agile methodologies, Jira, and CMS platforms like **WordPress** and **PHP**.

WORK EXPERIENCE: 7 Years 5 Months

Principal Consultant
December 2023 – Present
Genpact Ltd, Hyderabad

- Achieved Good Sonar Code coverage for 98% above...
- I interact with clients, address grooming session queries, and achieve sprint goals on time in every sprint.
- Implemented end-to-end (E2E) test cases for every component using Cypress, Jest unit testing.
- Before production deployment, we test our application in both the Dev (Development) and Stage (Testing) environments. If any bugs or test cases fail, we quickly fix the issues and re-test both repositories.
- Contributed to a product-based MNC project for the client CDK in the banking sector, focusing on the development and management of modular, maintainable repositories for key financial systems such as Accounts Receivable (AR), Accounts Payable (AP), General Ledger (GL), and Journal Entry (JE).

Technical Lead
September 2022 – March 2023
Infinite Computer Solutions (India) Ltd, Hyderabad

- Proficient in React JS, including Object Model, DOM manipulation, event handlers, data structures, algorithms, JSX, and Babel.
- Built with reusable components and accompanied by unit tests.
- Experienced with Agile methodologies.
- Contributed to a product-based MNC project for the client Sensyon Zyter, focusing on device tracking to determine the latitude and longitude of specified locations and collect relevant data for tracking purposes.

Senior Software Engineer
May 2021 – September 2022
GD Research Center (GDRC), Hyderabad

- Tested and debugged front-end components to ensure a seamless user experience.
- Troubleshoot and resolve bugs in the software application.
- Developed user interfaces for software applications using HTML, CSS, JavaScript,Typescript and React.js.
- Contributed to a product-based MNC project for the client Sensyon Zyter, working on device tracking systems to determine the latitude and longitude of specified locations, and gather critical data for efficient tracking and analysis.

CONTACT

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- linkedin.com/in/suryakumarg502
- github.com/gvsskumar

SKILLS

Frontend Development:
- React JS, Next.js
- React Query, Material-UI•
- CDK-Redial (custom-theme)
- Redux, Zustand
- JavaScript, TypeScript•
- HTML5, CSS3, Sass
- Tailwind CSS
- Styled Components

Backend Development:
- Python
- Node JS

Testing and Automation:
- Cypress
- Jest Unit Testing
- E2E Testing
- Sonar Coverage

Database Management:
- MongoDB
- MySQL
- PostgreSQL

API Development and Testing:
- API Services
- REST APIs
- POSTMAN API
- Swagger API

DevOps and Deployment:
- AWS
- Amazon S3
- EC2
- Amazon EBS
- AWS Lambda

Version Control and Collaboration Tools:
- Git, GitHub•
- Bitbucket

UI Tools: Figma to Code:
- Locofy.ai
- TeleportHQ
- Uizard

Senior Software Engineer
December 2018 – April 2021

Tecnolynx Global Pvt Ltd, Hyderabad

- Strong experience with database languages, server-side and client-side development, including MySQL and MongoDB.
- I have worked with over 25 web application-based startup organizations, specializing in ReactJS, TypeScript, reusable components, hooks, and performance optimization

Web Developer
August 2017 – November 2018

Websky Software Solutions, Rajamahendravaram

- Developed customized web applications using Core PHP and the CodeIgniter framework, utilizing MVC architecture and design patterns to ensure efficient, scalable, and maintainable code.
- Provided ongoing maintenance and support for websites and web applications, ensuring optimal performance, security, and user experience.
- Contributed to a service-based startup company specializing in WordPress, PHP, CodeIgniter, and React.js application development.

PROJECT

Banking System (Accounts Receivable, Accounts Payable, General Ledger, Journal Entry)

Role: Frontend Developer
Duration: December 2023 – Ongoing
Project Overview: This project involves the development and maintenance of a modular banking system handling multiple repositories (Accounts Receivable, Accounts Payable, General Ledger, and Journal Entry). Each repository is independently maintainable, allowing flexibility for users and administrators. The system integrates with financial services, optimizing processes like transactions, ledger management, and financial reporting.

Key Responsibilities:
- Designed and developed user interfaces using React and TypeScript, ensuring responsive and intuitive designs.
- Utilized React Query for efficient data fetching and state management.
- Implemented styling using SASS for modular, scalable styles.
- Wrote and maintained Jest unit tests for frontend components to ensure code reliability.

Technologies Used:
- Frontend: React, TypeScript, React Query, SASS, Jest, Cypress
- Backend: Java, API Services, PostgreSQL
- Tools & Monitoring: Git, GitHub, SonarQube, New Relic

Key Achievements:
- Optimized data flow and API performance, reducing load times
- Increased test coverage by 98% through Jest unit tests and Cypress automation.
- Enhanced modularity and maintainability of the system by ensuring each repository (AR, AP, GL, JE) is independently manageable
- Reducing errors in financial transactions by improving code stability and implementing automated testing

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Project Management and Monitoring:
- Jira

Computer Science Fundamentals:
- Algorithms

Content Management Systems (CMS):
- WordPress

EDUCATION

Jawaharlal Nehru Technological University Kakinada (JNTUK)
Bachelor of Technology in Computer Science
Major: Computer Science
Minors: Software Analytics and Information Systems
Graduation: May 2013
Grade: First Class

OTHER

- AWS Certified AI Practitioner