Keval Sanghvi

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PERSONAL PROFILE

Senior Software Engineer with around 5 to 6 years of experience and expertise in developing and delivering robust Java and Cloud-based solutions in fast-paced environments. Possess a Master's degree in Advanced Computer Science with Industry from the United Kingdom and hands-on experience with Java, Spring Boot, Microservices, PostgreSQL, Docker, AWS (EC2, S3, ECR, ECS, Lambda). Proven track record of delivering successful projects from requirements gathering to deployment. Seeking a challenging position at your organization to utilize the knowledge and develop skill set further.

EDUCATION

Master of Science in Advanced Computer Science with Industry   January 2020 – July 2022
University of Leicester, Leicester, United Kingdom.   Grade: Pass
Bachelor of Technology in Electronics and Communication Engineering   July 2012 – April 2016
Dharmsinh Desai University, Nadiad, India*.*   Grade: 7.67/10

RELEVANT WORK EXPERIENCE

Senior Software Engineer   September 2023 – Present
Nu10 Technologies India Private Limited - Bangalore, India.

- Led, supervised, and managed the team of 5 developers, in the development of a robust upgrade for a client's existing software application, which boosted concurrent users by 15% .
- Played a pivotal role in contributing to architecture design discussions, and significantly enhanced the application's architecture, resulting in reduced latency by 20% and improved scalability by 30%.
- Utilized Java, Spring Boot, and Microservices on AWS to build high-performance RESTful APIs, resulting in enhanced system performance by 25%.
- Increased the client's and company's business revenue by 10% through application performance optimization and reduced code complexity by 30% through code reviews and refactoring, improving maintainability and testability.

Full Stack Developer Intern (Unpaid)   February 2021 – September 2021
Linkall Webtech Pvt Ltd - Remote.
(During Master's Degree Program)

- Developed and delivered a web application, focusing on back-end and front-end functionality, resulting in enhanced user experiences and increased customer satisfaction.
- Utilized Java and Spring Boot, Microservices to build high-performance RESTful APIs, resulting in improved data communication and reduced response time by 10%.
- Learned and acquired proficiency in leveraging a range of AWS services, including EC2 instances, S3 storage, ECR repository, to enhance operational efficiency and scalability.

Student Analyst Developer (Contract)   September 2020 – January 2021
UOL Department of Informatics - Leicester, United Kingdom.
(During Master's Degree Program)

- Created a cutting-edge web application that revolutionized procurement and offers all-around tracing, trading & procurement of agricultural raw materials (using Java, Spring Boot, Blockchain, REST API, Angular 7, MongoDB).
- Documented design decisions, participated in architecture designing and analysed system requirements to lead the development of project, application enhancements in meetings when applicable.
- Improved and optimized web application using Angular 7 resulting in an increase in response rate, reduced load time, and increase in customer engagement by 20%.

Software Engineer   November 2016 – December 2019
Cybage Software Pvt Ltd - Pune, India.

- Built a chat-based application in use by 100+ higher management team using blockchain technology that resulted in highly secured, high response rate, and overall reduction of 20% in load time (using Java, Spring MVC, Solidity – Smart Contracts, Web3.js, Angular 6, TDD, ORM Tools, MySQL).

- Guided, trained, monitored, and mentored new team members in project via knowledge transfer sessions and improved collaboration by increasing code reviews and increased code quality across the team by 15%.
- Increased the company's business revenue by 5% by creating an application based on blockchain technology that resulted in tie-ups with customers.
- Involved with code implementation, code refactoring, unit testing, integration testing, resolving code issues, provided peer code review, and worked with product management and quality assurance on product releases.

ACADEMIC PROJECTS

Film Recommendation System
- Created a film recommendation system using a dataset obtained from the TMDB website using content-based filtering and metrics such as cosine similarity, RSME, to evaluate the accuracy of the recommendation.
- Improved the accuracy of the film recommendation system's top 10 picks from 45% to 70% by optimizing a content based filtering algorithm and deploying the algorithm to a web application.
- Languages and Frameworks Utilized: Python, Flask, HTML, CSS.

TECHNICAL SKILLS

- *Programming Languages:* Java 7/8/11, JavaScript, Solidity, Angular 6, Python, HTML5, CSS, Bootstrap.
- *Frameworks and Technologies:*
  - Spring Framework (Spring Core, Spring MVC, Spring Boot, Spring Data, Spring Security - OAuth & JWT, Spring Cloud).
  - Microservices, Maven, Blockchain (Ethereum).
  - JDBC, Hibernate, JUnit, Mockito, REST API.
- *Tools and Platforms:*
  - Amazon Web Services *(EC2, S3, ECR, ECS, Lambda),* Docker, Redis.
  - Git, GitHub, Bitbucket, Jenkins, JIRA, Swagger, Postman, Review Board.
  - Firebase, New Relic, Metamask, Remix, Truffle.
  - Eclipse, IntelliJ IDEA, VS Code.
- *Data Modelling and Databases:* XML, JSON, SQL (MySQL, PostgreSQL), NoSQL (MongoDB).
- *Methodologies and Processes:* Software Development Life Cycle, Agile Methodologies (Scrum), Test Driven Development, Continuous Integration Continuous Delivery, SOLID, Design Patterns.

QUALIFICATIONS & AWARDS

Java Certificate   January 2013
- Completed Java Programming course at Rati Lalji Maharaj Saheb Institute of Computer Education.

Contribution for Citizenship role & Social Responsibility   March 2013
- Contributed to the society by helping people on improving their life in various aspects.

VOLUNTEERING

Student Member, Spandan – A Social Service Club   January 2014 – April 2016
- Promoted individual assessments and sessions on skill development, child education, adult literacy, digital literacy, proper sanitation, and health and welfare of people for the lower economic strata residing in slum communities.

Student Member, Computer Society of India   August 2014 – April 2015
- Participated in trainings and coding competitions, exchanging views and share ideas with wide spectrum of members of famous IT industry leaders, brilliant scientists committed to Computer Engineering and Technology Systems.

LANGUAGES

- English (Fluent), Hindi (Fluent), Gujarati (Mother Tongue).