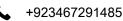# Mehdi Bukhari

Software Architect | Software Engineer

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in linkedin.com/in/mehdibukhari

Summary

I am a backend-focused software engineer with extensive experience in developing robust and scalable solutions. While my career has predominantly been in backend development, I possess a solid understanding of front-end technologies as well.

With a strong command of backend technologies, including Node.js and the MEAN/MERN stack, I have successfully delivered high-performance applications. Leveraging the asynchronous nature of Node.js and the power of JavaScript-based frameworks, I excel at building efficient and reliable back-end systems.

Although my expertise lies in backend development, I also have a comprehensive understanding of front-end technologies and principles. I am well-versed in HTML, CSS, and JavaScript, enabling me to collaborate effectively with front-end developers and contribute to the overall success of projects.

Throughout my career, I have actively participated in the entire software development lifecycle, including requirements analysis, system design, implementation, testing, and deployment. I am committed to ensuring code quality through rigorous testing practices and adherence to best practices.

Furthermore, I stay up-to-date with the latest trends and advancements in both backend and front-end development. This allows me to have a holistic perspective and contribute effectively to the full-stack development process.

In summary, I am a highly skilled software engineer with a strong background in backend development and a solid understanding of front-end technologies. With expertise in Node.js and the MEAN/MERN stack, I am well-equipped to deliver robust solutions and collaborate seamlessly with both backend and front-end teams.

Experience

Software Enginer | Team Lead Software Development

MicroAgility Services (Pvt) Ltd.

Mar 2019 - Present (4 years 4 months)

• Spearheaded the design and implementation of a highly scalable and distributed Microservices Architecture using clean architecture principles proposed by Uncle Bob, resulting in increased processing efficiency of large customer data sets in real-time.
• Successfully improved the load balancing of a complex Microservices-based architecture using service registry and circuit breaker methods for each individual microservice, resulting in improved system performance and reliability.
• Implemented RabbitMQ and Kafka for queues scheduling of data-intensive processes on the transport layer, and Apache Cassandra and Zookeeper for storage layer queue scheduling, resulting in faster processing times and reduced downtime.
• Developed isolated Docker Analytics Generation services based on Spark and Scala, ingesting Cassandra NoSQL data, resulting in more accurate and insightful analytics for clients.

• Collaborated with the R&D team to build and architect a distributed cloud-based SaaS solution for transaction monitoring, resulting in increased revenue and improved customer satisfaction.
• Proactively identified opportunities for efficiency improvements, resulting in increased productivity and reduced costs for the organization.
• Actively participated in production discussions to develop cutting-edge solutions, resulting in the implementation of innovative technologies that improved system performance and reliability.
• Designed and built RESTful APIs to allow for easy integration of mobile and web solutions, resulting in increased user engagement and satisfaction.
• Successfully explored, evaluated, and integrated new data pipelines, resulting in improved data processing and analysis capabilities.
• Composed Docker images for each microservice and orchestrated them using Kubernetes, resulting in improved deployment speed and efficiency.
• Successfully deployed on major cloud vendors such as AWS (EKS) and GCP (GKS), resulting in improved system scalability and reliability.

Senior Software Engineer

inovytax

Mar 2018 - Mar 2019 (1 year 1 month)

As a Full Stack Web Application Developer, I led the design and development of a large-scale system using MERN Stack.

Implemented highly efficient databases to manage real-time expanding data and utilized cloud development and OpenStack architecture to achieve scalability and reliability.

Designed and implemented distributed servers and databases to ensure high availability and performance.

Utilized Cascading Style Sheets (CSS), Bootstrap, Object-Oriented Programming (OOP), Laravel, PHP, JavaScript, jQuery, MySQL, CSS, SQL, HTML5, AngularJS, Docker, REST APIs, Git, and RabbitMQ to build high-quality software applications.

Collaborated with cross-functional teams and clients to deliver successful projects within budget and on schedule.

Stayed up-to-date with the latest technologies and industry trends to provide innovative solutions to complex problems.

Demonstrated excellent communication skills to articulate technical solutions to both technical and non-technical stakeholders.

Actively participated in code reviews, testing, and deployment processes to ensure software quality and maintainability.

Software Engineer

IT HUB

Oct 2014 - Mar 2018 (3 years 6 months)

As a Software Engineer at ITHUB, I maintained and documented the codebase and software developments, ensuring smooth operation of the system. I also conducted extensive research on primary technological advancements to determine their feasibility and efficiency for integration into organizational processes.

In order to optimize usage and prepare for emergency situations, I played a vital role in strengthening the company's back-end services. By identifying issues and developing standard operating procedures, I significantly enhanced system quality.

My expertise in identifying opportunities for improvement and designing and implementing systems was instrumental in improving the performance and functionality of applications. I also peer-reviewed code changes and maintained and improved existing codebases, while liaising with colleagues to implement technical designs.

In my pursuit of staying ahead of the curve, I investigated and implemented new technologies where relevant, ensuring the company was always utilizing cutting-edge technologies.

My technical skillset includes proficiency in CSS, Bootstrap, Object-Oriented Programming (OOP), Laravel, PHP, Java, WordPress, JavaScript, C++, Databases, jQuery, MySQL, phpMyAdmin, SQL, HTML5, AngularJS, Docker, REST APIs, Git, and Full-Stack Development.

Education

University of Sargodha
Master's degree, Computer Science
2016 - 2018
The "Philosophy in Computer Science" Mphil degree program explores advanced topics in software development, distributed systems, and big data analytics. Students gain hands-on experience with popular technologies and big data tools like Hadoop, Apache Spark, and RabbitMQ. They also learn about cloud computing with Google Cloud Platform (GCP) and database management with MySQL and phpMyAdmin. In addition, students study programming languages like Scala, C++, and develop skills in web development, software development, and database design using CSS, jQuery, and databases. This program prepares students for software engineering, big data analytics, and distributed systems careers. Graduates will have the knowledge and skills to work on complex software projects and effectively manage software development teams. They will also be prepared to work with big data technologies and distributed systems, making them valuable assets in the tech industry.

University of Sargodha
Bachelor's degree, Computer Science
2012 - 2014
With an MSCIT degree students get expertise in PHP, HTML5, Java, and full-stack development, I have got a strong foundation in software engineering, data structures, and the analysis of algorithms. I became experienced with technologies such as WordPress, Bootstrap, and Google Cloud Platform (GCP) and MSCIT equipped me with the skills to develop and maintain high-quality web applications.

I have worked on distributed systems using Apache ZooKeeper, Cassandra, and MySQL, and which had made me proficient in jQuery, C++, SQL, and REST APIs. In learning of CSS, Cascading Style Sheets (CSS), and JavaScript has helped me create visually appealing and responsive user interfaces. I have also used Git and phpMyAdmin for version control and database management, respectively.

Licenses & Certifications

Certified Software Development Associate (CSDA) - PRSAPI
hujioip256321458

AWS Certified Developer - Associate - Credly

0c0549f5-c448-40c7-8f2e-c6da72c5b84b

Google Cloud Certified Professional Cloud Architect - Credly

0c0549f5-c3338-40c7-8f2e-c6da72c5b84b

AWS Certified Solutions Architect - Associate - Credly

0wed9f5-c448-40c7-8f2e-c6da72c5b84b

Skills

Kubernetes • Google Kubernetes Engine (GKE) • Compute engine • Software Design • Engineering Management • Data Structures • Algorithms • Angular • Scrum • Microservices

Honors & Awards

Bronze Medal - University of Sargodha

Apr 2014

As a highly accomplished individual, I am proud to have earned a bronze medal from the University of Sargodha for my Master's degree in Information Technology, securing a commendable CGPA of 3.42 out of 4. This recognition signifies my dedication to academic excellence and highlights my ability to excel in the field of technology. Throughout my studies, I have consistently demonstrated a strong grasp of complex IT concepts and a passion for staying at the forefront of technological advancements. With a solid foundation in both theoretical knowledge and practical application, I am equipped to tackle challenges and contribute to innovative solutions in the ever-evolving world of information technology. I am excited to leverage my skills, knowledge, and determination to make meaningful contributions to the industry and drive positive change in the digital landscape.