



## Contact

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### Address

Chapal Suncity, Scheme-33, Karachi,  
Pakistan

## Education

### MS Computer Science

SZABIST

Jan 2018 - Jun 2020

### BS Computer Science

SZABIST

Sep 2013 - May 2017

## Expertise

NodeJS	Angular
TypeScript	JavaScript
ExpressJS	NestJS
MongoDB	SQL
Bull Queue	Redis
AWS	AWS S3
Git	REST Api
Dockers	Kubernetes
Microservices	

# Shahzeb Baig

## Senior Software Engineer



With over 7 years of hands-on experience in software development, I specialize in transforming complex challenges into scalable, high-performance solutions. Currently serving as a Senior Software Engineer at Digital Gravity, I bring a strong track record of delivering impactful products across multiple industries, including SaaS, EdTech, FinTech, and GovTech. As a former core team member at SimpliEd, I contributed significantly to the launch and growth of cutting-edge EdTech solutions. A fast learner and collaborative team player, I combine deep technical expertise with creative problem-solving to drive innovation and deliver measurable results. Let's build the future—smarter, faster, and better.

## Experience

### Digital Gravity - Dubai

May 2025 - PRESENT

#### Senior NodeJS Developer

- Develop and integrate scalable microservices for fintech projects, focusing on Emirates NBD banking APIs and secure data exchange aligned with UAE banking standards.
- Manage DevOps workflows including server administration, CI/CD pipelines, and infrastructure scaling on AWS to ensure system reliability and performance.

### Spire Tech - Manama, Bahrain

Jan 2025 - April 2025

#### Senior Software Engineer

- Working on the development of microservices to facilitate seamless data exchange within the Open Banking ecosystem, focusing on implementing AI driven solutions to ease the customers with independent Personal Finance Management
- Led the design and development of a cutting-edge personal finance management product, leveraging Open Banking APIs to aggregate user financial data from multiple institutions.

### SimpliEd - Karachi, Pakistan

June 2022 - Dec 2024

#### Software Engineer

- Core team member in the successful launch of SimpliEd, contributing to full-stack development using the MEAN stack and refactoring key portals (Teacher, Student, Parent).
- Led critical development tasks including system architecture, API design, and the implementation of features such as attendance management, leave tracking, and cash collection.
- Refactored components into reusable, single-responsibility structures, improving maintainability, scalability, and optimizing bundle size.
- Implemented complex MongoDB aggregation pipelines and managed performance optimization while ensuring code quality.
- Collaborated on key features like Branch Transfer, Promotion & Shuffling, Result Review with state management, billing reports, and LMS classes, enhancing overall system functionality.

### SZABIST - Karachi, Pakistan

Feb 2021 - May 2022

#### Lecturer in Software Engineering

- Developed and delivered engaging curriculum for software engineering courses such as software development, fundamentals of programming, and data science.
- Conducted lectures, workshops, and lab sessions to enhance student understanding and practical skills in software engineering concepts.
- Supervised final year projects, providing mentorship and guidance to students on project design, implementation, and presentation.

## ○ Wiztech - Karachi, Pakistan

Feb 2020 - Jan 2021

### Software Engineer

- Led the development of a US Customs and Shipments Automated System for a collaborative USA & Japan client using the Node.js stack.
- Spearheaded the revamp of a WWE Wrestling App for a USA-based client, delivering a high-performance and engaging user experience.
- Leveraged Node.js and related technologies to build scalable, high-performance systems that met the clients' business needs.

## ○ Binary Vibes - Karachi, Pakistan

Dec 2017 - Jan 2020

### Software Engineer

- Pioneered Agile development for a KPI-based Assessment & Evaluation System for hospitals under the Punjab Government (PITB).
- Led project development using PHP and AngularJS, ensuring efficient and scalable architecture.
- Collaborated with cross-functional teams to design and implement a system for real-time tracking and reporting of hospital KPIs.

## ○ Verge Systems

July 2017 - Oct 2017

### Junior Software Engineer

- Embarked on a software engineering career with WEB HR, the world's leading HRM SaaS product.
- Contributed to the development and enhancement of a global HRM platform used by organizations worldwide.
- Gained foundational experience in SaaS product development, working with modern web technologies.

## Language

English

Urdu

## Publications

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Research paper published in International Conference on Computing and Related Technologies named "Security Issues in 5G: A Review Paper" at Karachi, Pakistan.

## Workshops

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- 2 – Days workshop on Data Analytics Using Python – Jan 2022