

Abhi Saxena

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EXPERIENCE

Software Development Engineer - 1

Nov 2023 – Present

Tranzita Systems

Lucknow, India

- Developed and optimized automation processes, reducing manual efforts in data extraction.
- Designed and implemented scalable backend systems using Python, Node.js, and SQL.
- Integrated APIs for data processing and visualization, improving decision-making insights.
- Worked on secure authentication mechanisms and role-based access control.

TECHNICAL SKILLS

Languages: Java, Python, MS SQL, JavaScript/TypeScript, HTML/CSS

Frameworks: React.js, Next.js, Node.js, Express, Firebase, Flask, FastAPI, Tailwind CSS, Material UI

Developer Tools: Git, Docker, Google Cloud Platform, PyCharm, IntelliJ, SOAP, Postman, Swagger, Azure, AWS

Libraries: pandas, NumPy, Matplotlib

Operating Systems: Windows, Linux/Unix

PROJECTS

Procter & Gamble (P&G) Projects | *Azure, Python, Node.js, SQL, Docker, OCR, OAuth, Keycloak*

- Developed Python-based Azure Function Apps to automate the extraction, cleaning, and deployment of SAP data for streamlining financial data processing.
- Engineered Consumer Survey Analytics with interactive dashboards, dynamic uploads, and advanced features like word clouds, deployed via Docker and CI/CD.
- Developed OCR application using Tesseract and Azure Functions to extract data from Japanese Drivers Licenses for international clients.
- Built global survey system with facial recognition panelist verification and compliance monitoring workflows.

Jagruk Bharat – Government Scheme Portal | *Java Spring Boot, PostgreSQL, AWS, Docker*

- Developed a government scheme benefit portal serving 100,000+ Indian citizens, enabling seamless access to policy benefits and application tracking.
- Optimized API performance and database queries to handle high concurrent user load, reducing response time by 40%.
- Implemented containerized deployment on AWS ensuring scalability and high availability of the platform.

Mind Gauge – Psychometric Testing Platform | *Next.js, Node.js, MySQL, Data Visualization*

- Built a comprehensive psychometric testing platform enabling students and institutions to conduct personalized assessments and evaluations.
- Designed specialized test cases and evaluation frameworks to measure various psychological metrics and learning patterns.
- Developed interactive dashboards for result visualization and progress tracking, enhancing user engagement and insight generation.

Voterium – Blockchain-Based E-Voting System | *Solidity, Truffle, Node.js, SQL, MetaMask, Ganache*

- Developed a secure blockchain-based electronic voting system using smart contracts for transparent and tamper-proof election processes.
- Designed an intuitive user interface integrated with MetaMask for seamless voter authentication and ballot casting.
- Implemented comprehensive testing and deployment frameworks ensuring system reliability and security.

EDUCATION

Buddha Institute Of Technology

Bachelor of Technology in Computer Science & Engineering - 83%

Gorakhpur, India

Aug. 2021 – May 2024