

ZIA UR REHMAN

Software Developer — Node.js, React, Python, AWS

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PROFESSIONAL SUMMARY

Software developer with a Bachelor's in **Software Engineering** and currently pursuing a Master's in **Information Security**. 1 year of hands-on experience in **backend development** using **Node.js**, **Python**, and **AWS**, with additional frontend experience through personal projects using **React**, **Next.js**, and **Tailwind CSS**. Skilled in deploying applications to cloud environments and managing **CI/CD pipelines**. At Northvolt, supported *cross-functional collaboration* between **automation**, **engineering**, and **production** teams to resolve real-time MES and PLC issues. Now seeking to grow further in **developer roles** that value both *code quality* and *collaborative problem-solving*.

SKILLS

Languages & Frameworks	JavaScript, TypeScript, Node.js, Express.js, Python, React, Next.js
Databases	PostgreSQL, MongoDB, SQL
Cloud & DevOps	AWS (EC2, S3, Lambda), Docker, GitHub Actions (CI/CD)
Testing	Jest, Unit Testing, Integration Testing
Tools & Platforms	Git, Linux, VS Code
Soft Skills	Collaboration, Accountability, Critical thinking, Clear communication, Prioritization, Conflict resolution, Adaptability, Attention to detail

WORK EXPERIENCE

BACKEND DEVELOPER

Media Express Pvt., Islamabad, Pakistan

September 2019 – August 2020

- Developed and maintained RESTful APIs using **Python**, **Node.js**, and **Express.js**, handling approximately **10,000 daily requests**.
- Refactored **React** components to enhance performance, reducing bundle size by **30%** and improving page load times.
- Implemented unit and integration tests with **Jest**, increasing test coverage from **20%** to **85%**.
- Set up **Docker** containers and configured **GitHub Actions** for automated CI/CD pipelines, achieving near-zero downtime deployments.

Tech Stack: Node.js, Express.js, Python, MongoDB, React, Docker, GitHub Actions, Jest

PRODUCTION TECHNICIAN

Northvolt Ett AB, Skellefteå, Sweden

September 2023 – April 2025

- Collaborated with engineering, automation, and maintenance teams to troubleshoot **MES** and **PLC** issues, contributing to a **15% reduction** in mean time to repair.
- Provided first-line support for **MES systems** and monitored live production data to ensure equipment effectiveness remained above **95%**.
- Documented recurring faults and improved traceability, facilitating better team handovers.
- Participated in **Lean 5S** and **Kaizen** initiatives, improving safety grade from **B to A**.

EDUCATION

BACHELOR'S OF SOFTWARE ENGINEERING

COMSATS University, Islamabad, Pakistan

September 2015 - June 2019

- **Coursework:** Algorithms and Data Structures, Operating Systems, Computer Networks, Database Systems, Software Design and Architecture, Software Testing and Quality Engineering
- **Project:** MERN stack social-media platform. Dockerized React and GraphQL MVP.

MASTER'S IN INFORMATION SECURITY

Stockholm University, Stockholm, Sweden

September 2021 - Ongoing (Paused due to job)

- **Coursework:** Network Security, Cyber Security, Digital Forensics, Legal Aspects of Information Security, Intelligence and Security Informatics, Data Mining
- **Thesis:** *Post-Certification Breach Dynamics in ISO 27001-Certified Organisations*

PROJECTS

Personal Portfolio Website

byzia.dev

Responsive developer portfolio with subtle animations and interactive sections.

Tech stack: Next.js, Tailwind CSS, Framer Motion, AWS

CERTIFICATIONS

- **IBM Cybersecurity Analyst** | Coursera 2020
Topics: SIEM, SOC workflows, threat analysis, SQL
- **TensorFlow Developer Certificate** | TensorFlow 2020
Topics: CNNs, NLP, computer vision
- **AWS Solutions Architect – Associate** | AWS In Progress
Topics: Designing scalable cloud systems

LANGUAGES AND INTERESTS

Languages English (Fluent), Urdu (Native), Swedish (Basic)

Interests Coding, Hackathons, Web animation, Hiking