Syed Muhammad Saad

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SUMMARY

Results-driven Backend & Full Stack Engineer with 8+ years of experience in architecting, developing, and securing enterprise-grade applications. Expert in Node.js, Express.js, NestJS, PHP (Laravel, CakePHP), React.js, and PostgreSQL/MySQL, with a proven track record in building scalable microservices and high-performance APIs. Strong DevOps expertise in Docker, Kubernetes, GitLab CI/CD, AWS (EC2, S3, RDS, ALB), and infrastructure automation. Skilled in DevSecOps practices including vulnerability scanning, secure CI/CD pipelines, container security, and OWASP-compliant development. Adept at cloud-native deployments, API performance tuning, database optimization, and leading cross-functional teams to deliver secure, reliable, and cost-efficient solutions at scale.

EXPERIENCE

Senior Software Engineer (Backend Fullstack + DevOps)

Contour Software (TUNE)   **Nov 2022 – Mar 2025, Remote**

· Developed Full stack applications using PHP (CakePHP), Python, Node.js, Express.js, React.js, TypeScript, PostgreSQL, MongoDB, MySQL.
· Designed secure, high-performance APIs with JWT/OAuth2 authentication, input validation, and OWASP Top 10 compliance.
· Optimized PostgreSQL & MySQL queries, indexes, and schemas, reducing query latency by 45% & improving API response times under high load.
· Integrated Datadog, Elastic Kibana, and OpsGenie for monitoring, alerting, and proactive incident response.
· Implemented GitLab CI/CD pipelines with automated testing, container security scans (Trivy, Snyk).
· Actively participated in on-call rotations, resolving production incidents within SLA and applying security patches without downtime.
· Led a zero-downtime AWS-to-Kubernetes migration, improving horizontal scalability and reducing monthly cloud costs by 20%.
· Awarded Spot Bonus and Certificate of Appreciation for exceptional contributions to platform reliability and performance.

Senior Executive ERP & Software Development

Taj Gasoline   **Mar 2021 – Nov 2022, Karachi, Pakistan**

· Developed multiple ERP-integrated applications with Microsoft Dynamics AX 2012 R3.
· Built the Dealer Management Portal for COCO and DODO sites to automate dealer transactions.
· Developed a nationwide POS System for fuel stations using C# Windows Forms, ASP.NET, SQL Server, PostgreSQL.
· Integrated role-based access control (RBAC) and secure API gateways to protect sensitive financial data.
· Created the Service Portal for Sales, Supply Chain, and Finance Teams.
· Designed an IT Inventory System for company-wide asset tracking.
· Developed the Lubricants Portal for dealer stock management.
· Achievements: 10 Employee of the Month awards, including 8 consecutive wins over 2 years.
· Successfully implemented a centralized fuel transaction system nationwide.

Software Engineer

Symits   **Dec 2020 – Feb 2021, Karachi, Pakistan**

· Contributed to Indolj & Devaj projects using PHP (Yii Framework), MySQL, JavaScript.
· Assisted in Raspberry Pi-based digital menu boards for restaurants (learning phase).

Senior Fullstack PHP Developer

Kenwood & Homage Pakistan   **Jan 2019 - Dec 2020, Karachi, Pakistan**

· Developed ERP-integrated solutions improving Procure-to-Pay, Retail, and Warranty Management.
· Implemented API-driven architecture for complaint lifecycle management and warranty registration.
· Built SSRS and Power BI dashboards for business intelligence, enforcing access security controls for sensitive datasets
· Developed CI/CD automation scripts for deployment and database migration, ensuring consistent and secure releases.

Executive Analyst - IT & MIS

The Aman Foundation   **Dec 2016 – Nov 2018, Karachi, Pakistan**

· Developed Power BI dashboards for real-time analytics & decision-making.
· Designed and deployed data analytics pipelines using Power BI and SSRS, improving operational decision-making through real-time insights.
· Automated ETL processes with data validation and security measures to ensure integrity of high-value operational datasets.
· Optimized database queries and implemented backups with encryption for compliance and disaster recovery readiness.

Freelance Software Engineer

                                                               Dec 2015 – Nov 2016, Remote

· Delivered 10+ custom web applications using PHP, MySQL, and WordPress with secure REST APIs.
· Designed RESTful APIs and optimized database queries.

Intern

Jaffer Brothers (Pvt) Ltd.   **Sep 2015 - Nov 2015, Karachi, Pakistan**

- Created & updated Nutraful Customer Profiles in the CRM system.
- Assisted in website record management & strategic planning reports.
- Conducted market research on global wheat crop and fertilizer industries.

PROJECT

Taj Gasoline
- Dealer Customer Portal, Service Portal, POS System, IT Inventory System, Lubricants Portal, EHSAS Complaint Management System.

Homage & Kenwood
- Scrap System, Customer Service Dashboard, ERP Reporting Portal, Complaint Life Cycle & Warranty Management.

Aman Foundation
- Power BI Dashboards for real-time project analytics.

Freelance & Academic
- Course Recommendation System, Summit Goods Inventory, Plagiarism Detection, Scientific Calculator (Java), MLE Department Website.

EDUCATION

Bachelor of Science in Computer Science (BSCS)
Iqra University · Karachi · 2010-2015

Higher Secondary Education (Pre-Engineering)
Government National College · Karachi · 2006 – 2008

Secondary Education (Computer Science)
White House Grammar School · Karachi · 2003-2005

CERTIFICATIONS

KodeKloud Engineer Certifications
- Docker (Level 1, 2, 3), Kubernetes (Level 1), Git (Level 1), Linux (Level 1).

Udemy Certification: SQL Server
- Advanced SQL querying & performance tuning.

Oracle 9i Developer Training

CEP Mobile Application Development

SKILLS

Programming: PHP (CakePHP, Laravel, CodeIgniter, Yii), JavaScript (NodeJS, ExpressJS, ReactJS, TypeScript, NestJS, NextJS), C#, Bash

Database & Cache: MySQL, MongoDB, SQL Server, PostgreSQL, Snowflake, DynamoDB, Redis

Cloud: AWS (EC2, EBS, EFS, ASG, S3, ELB, SSM, RDS, IAM, Route53, VPC, SQS, SNS)

DevOps: Docker, Kubernetes, RabbitMQ, Kafka

CI/CD & Automation: GitLab CI/CD, Bash Scripting, Shell Scripting

Monitoring & logging: Datadog, OpsGenie, Elastic Kibana, Logstash, Filebeat

Version Control: Git, GitLab, Bitbucket

API Development & Integration: REST APIs, GraphQL, Web Sockets, Swagger, Postman

Security & DevSecOps: OWASP Top 10, JWT, OAuth2, HTTPS/TLS, RBAC, CI/CD Secrets, Trivy, Snyk

ERP & Data Analysis: Microsoft Dynamics AX 2012 R3, X++, Power BI, SSRS, SSIS