

# SAAD SHABBIR

Software Engineer | Full-Stack Development & DevOps

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## PROFESSIONAL SUMMARY

Results-driven Software Engineer with 2+ years of experience in full-stack application development, backend API development, and DevOps practices. Expertise spans mobile application development with Flutter, RESTful API design with Node.js, and complete deployment lifecycle management on Linux-based infrastructure. Proven track record of delivering scalable applications from development through production deployment, implementing CI/CD practices, containerization with Docker, and managing high-availability server environments. Strong problem-solving abilities with a focus on building efficient, secure, and maintainable solutions across the entire software stack.

## TECHNICAL SKILLS

**Application Development:** Flutter, Dart, Mobile App Development, Cross-Platform Development

**Backend Development:** Node.js, RESTful API Design, API Integration, PHP

**Database Technologies:** Firebase (Firestore, Realtime Database), MySQL, Microsoft SQL Server

**DevOps & Infrastructure:** Docker, Docker Compose, Linux Server Administration (Ubuntu, Debian, CentOS)

**Web Servers & Deployment:** Nginx, Apache, Reverse Proxy, Load Balancing, PM2

**Cloud & Backend Services:** Firebase Auth, Cloud Functions, NextCloud, Self-Hosted Solutions

**Security & Networking:** Firewall Configuration, SSL/TLS, SSH, OAuth, Network Configuration

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

**Version Control:** Git, GitHub, Collaborative Development Workflows

**Authentication:** OAuth, Multi-Factor Authentication, JWT, Firebase Auth

**Additional:** System Monitoring, Performance Optimization, Technical Documentation, Troubleshooting

## PROFESSIONAL EXPERIENCE

**Software Engineer - DevOps & Backend Development**

*Grip INT PVT LTD*

February 2024 – Present

*Lahore, Punjab, Pakistan*

- Design, develop, and deploy backend services and APIs on Linux-based production infrastructure, managing the complete application lifecycle from development to deployment
- Architect and implement containerized application deployments using Docker and Docker Compose, streamlining deployment processes and ensuring consistency across development, staging, and production environments
- Configure and optimize Nginx and Apache web servers for high-traffic applications, implementing reverse proxy solutions and FastCGI optimization to improve response times by 40%
- Develop and maintain RESTful APIs integrated with MySQL and Microsoft SQL Server databases, implementing efficient data access patterns and backup strategies for data integrity
- Implement comprehensive security solutions including firewall rules, SSL/TLS certificates, OAuth authentication, and secure API endpoints to protect production systems
- Manage and optimize Node.js application deployments using PM2, implementing load balancing, automatic restart policies, and performance monitoring for continuous service availability
- Administer Linux servers (Ubuntu Server) ensuring 99.9% uptime through proactive monitoring, performance tuning, and automated maintenance procedures

- Configure PHP runtime environments and optimize application performance through proper resource allocation and caching strategies
- Deploy and maintain NextCloud instances for secure file sharing and collaboration, supporting 50+ concurrent users with custom integrations
- Implement network configurations including static IP addressing, DNS management, and port forwarding for reliable service accessibility
- Troubleshoot complex deployment issues, analyze application and system logs, and implement preventive measures to minimize downtime
- Create comprehensive technical documentation for deployment procedures, API specifications, and infrastructure configurations

**Flutter Developer & Backend Integration Specialist**  
*ASTAPOR (Remote)*

April 2024 – Present  
*Sialkot, Punjab, Pakistan*

- Develop and maintain cross-platform mobile applications using Flutter and Dart for international clients, focusing on performance optimization and scalable architecture
- Design and implement RESTful APIs using Node.js, ensuring secure and efficient communication between mobile clients and backend services
- Integrate Firebase backend services including Firestore and Realtime Database, implementing real-time data synchronization and offline-first capabilities for mobile applications
- Implement comprehensive authentication systems including OAuth, email/phone verification, and multi-factor authentication using Firebase Auth
- Collaborate with cross-functional teams to gather requirements, define technical specifications, and deliver features aligned with business objectives
- Optimize application performance through code profiling, memory management, and efficient state management techniques
- Write clean, maintainable, and well-documented code following industry best practices and SOLID design patterns
- Conduct code reviews and provide technical mentorship to junior developers

**Flutter Developer**  
*Freelance (Remote)*

September 2023 – January 2024  
*Sialkot, Punjab, Pakistan*

- Developed full-featured mobile applications using Flutter and Dart, focusing on user experience and performance optimization
- Integrated Firebase services for backend functionality, including Firestore, Realtime Database, and authentication services
- Implemented RESTful API integrations to connect mobile applications with third-party services and internal backend systems
- Designed and developed responsive UI components following Material Design guidelines and platform-specific standards
- Managed complete project lifecycle from requirements gathering through deployment and maintenance

**Flutter Developer**  
*TechnoSoft Solutions*

August 2023  
*Sialkot, Punjab, Pakistan*

- Developed two production e-commerce mobile applications: Hara Dhaniya (local project) and Azlo (international project for Spain-based client)
- Implemented comprehensive Firebase backend services including authentication (Google, Twitter, email, phone), real-time database, and Firestore

- Integrated payment gateways and third-party APIs for e-commerce functionality including order processing and inventory management
- Optimized application performance and implemented real-time data synchronization for inventory tracking and order updates

**Flutter Developer (Internship)**

*Appix Developers*

December 2022 – July 2023

*Pasrur, Punjab, Pakistan*

- Developed mobile applications using Flutter and Dart, designing user interfaces and implementing core application functionality
- Integrated Firebase services for authentication, real-time data management, and backend operations
- Implemented various authentication methods including OAuth providers (Google, Twitter) and phone number verification
- Collaborated with development team to deliver projects meeting client requirements and deadlines

**EDUCATION**

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**Bachelor of Science in Computer Science**

*In Progress*