

Maqsood Muhammad Mujtaba Abro

Senior Software Engineer | Back End Developer

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SUMMARY

Senior Software Engineer with over 10 years of expertise in architecting and delivering high-performance, scalable backend systems across diverse industries including FinTech, banking, e-commerce, and enterprise solutions. Proven track record in technical leadership, leading full lifecycle development of systems handling millions of API requests, from concept to deployment, optimizing performance, ensuring security, and modernizing infrastructure. Specializes in Php, Laravel, Java, Spring Boot, RESTful APIs, microservices, system architecture, cloud-native solutions, containerization with Docker and Kubernetes, and mentoring Agile and Scrum teams to achieve consistent delivery and performance excellence. Experienced in relational databases like PostgreSQL, applying design principles and design patterns to enhance readability, scalability, and functionality while collaborating in technical discussions, integrating payment gateways, and working with DevOps teams to streamline CI/CD pipelines.

PROFESSIONAL EXPERIENCE

Specialist Software Engineer, Scicom MSC Berhad, Kuala Lumpur, Malaysia Mar 2025 - Present

- Engineered high-traffic web applications and APIs using PHP, Magento, and OpenMage, enhancing platform stability and scalability for more than 50,000 users across educational and corporate clients.
- Optimized MySQL database schemas and indexing strategies, reducing query latency by 30% and significantly improving application uptime.
- Designed and implemented secure RESTful APIs for seamless third-party integrations, improving data exchange efficiency, security, and system interoperability while supporting payment gateways.

Consultant - Software Engineer, Scicom MSC Berhad, Kuala Lumpur, Malaysia (Remote) Dec 2024 - Feb 2025

- Provided expert consultancy in maintaining and enhancing critical web applications, ensuring high availability, functionality, and stability during the engagement period through technical discussions.
- Streamlined deployment processes via Git/BitBucket, reducing deployment windows and improving team efficiency.

Software Engineer - API, Bank Negara Malaysia, Kuala Lumpur, Malaysia Nov 2019 - Nov 2024

(Payroll Company: HASTRAA Consulting Services Sdn. Bhd.)

- Architected and developed a suite of Laravel-based microservices for a national incident reporting system, serving over 50 commercial banks and processing more than 1M monthly API calls using relational databases.
- Led the design of a scalable, multi-framework RESTful API platform; utilized Spring Boot for high-performance financial data services and Laravel with Swagger for core business logic and documentation, mentoring 3 junior developers and enabling seamless data integration for internal and external banking entities. Optimized complex database schemas in MySQL and MS SQL Server, reducing critical report generation time by 30% and ensuring 99.9% system availability.
- Integrated Liferay DXP to build scalable digital web portals for internal banking operations, supporting regulatory compliance requirements and improving readability of system architecture.

Senior Software Engineer, ELKEN Sdn. Bhd., Kuala Lumpur, Malaysia Mar 2018 - Oct 2019

- Spearheaded the end-to-end development of a comprehensive e-commerce and MLM platform using Laravel/Lumen (backend) and Vue.js (frontend), supporting thousands of users.
- Migrated monolithic legacy applications to AWS, implementing auto-scaling policies that reduced cloud infrastructure costs by 20%.
- Reduced average API response time by 40% through systematic code profiling, database optimization, and application performance tuning.

Technology Associate, MoneyMatch Sdn. Bhd., Petaling Jaya, Malaysia Mar 2017 - Feb 2018

- Developed secure, robust APIs using Laravel/Lumen for Android/iOS fintech applications, enabling seamless integration with banking partners and supporting payment gateways.
- Optimized database queries and API endpoints, reducing server load by 35% and improving application responsiveness. Built an internal Laravel-based web application for e-KYC verification using WebRTC and Socket.IO, streamlining customer onboarding with secure pipelines.

Developer, KERN Technology Sdn. Bhd., Petaling Jaya, Malaysia Jul 2016 - Mar 2017

- Developed and delivered numerous high-profile client projects using Laravel and in-house frameworks, consistently meeting deadlines and exceeding client expectations. Improved codebase maintainability and team productivity by enforcing coding standards, applying design build practices, and supporting DevOps collaboration.

Software Engineer (PHP Developer), Verge Systems Pvt. Ltd., Hyderabad, Pakistan Aug 2015 - May 2016

- Delivered over 10 custom web application projects for clients using PHP and JavaScript, consistently completing them ahead of schedule and within budget while applying computer science fundamentals.
- Engaged directly with clients to gather requirements and translate them into effective technical solutions, conducting technical discussions to ensure clarity and scalability.
- Developed reusable code libraries, standardizing development processes and reducing time-to-market.

PHP Developer - Intern, Hidaya Institute of Science and Technology, Hyderabad, Pakistan Jun 2014 - Jan 2015

- Contributed to the development and maintenance of PHP-based web applications, assisting in the full software development lifecycle with exposure to CI/CD and containerization using Docker.
- Enhanced application performance by optimizing PHP scripts and SQL queries.

Webmaster / Website Admin, Good Luck Enterprise Pvt. Ltd, Hyderabad, Pakistan **Jan 2011 - Dec 2013**

- Managed WordPress website content, performance, and SEO strategy, resulting in increased organic traffic and reduced downtime.

EDUCATION

ISRA University, Hyderabad, Pakistan - Bachelor of Science (BS), Software Engineering **Oct 2009 - Dec 2013**

PROJECTS

BNM Internal Application (Incident Reporting Microservices), Bank Negara Malaysia

- Role: Backend Microservices Developer collaborating on system design and technical discussions
- Developed core Laravel-based microservices with Spring Boot integration for critical digital banking application, ensuring security, scalability, and functionality while handling over 1M monthly API calls
- Technologies: Laravel, Microservices, MySQL, PostgreSQL, Liferay, Java, Spring Boot, System Architecture, CI/CD, Docker, Kubernetes, Messaging Queues

BNM Open API Platform, Bank Negara Malaysia

- Role: API Developer
- Designed and developed centralized Laravel-based API gateway with Swagger documentation, integrating payment gateways and ensuring readability and design principles compliance
- Technologies: Laravel, RESTful APIs, Swagger/OpenAPI, MySQL, PostgreSQL, AWS, API Gateway, CI/CD Pipelines, Docker, Kubernetes

iElken Business System, Elken Sdn. Bhd.

- Role: Full-Stack Developer
- Architected and built full-featured MLM and e-commerce platform with Vue.js admin panel and Laravel API backend, applying design patterns for maintainability and pipelines for deployment
- Technologies: Laravel, Lumen, Vue.js, MySQL, PostgreSQL, AWS, RESTful APIs, Containerization with Docker, Kubernetes

SKILLS

Languages & Frameworks

PHP, Laravel, Lumen, Livewire, Java, Liferay, Spring, Spring Boot, JavaScript, jQuery, TypeScript, Node.JS, Vue.js, React.js, Python, Symfony, Bootstrap, TailwindCSS, CodeIgniter, WordPress, OpenMage, HTML5, CSS3, Less, SASS, Bash, Perl, Magento

Cloud & DevOps

AWS (EC2, RDS, S3, EKS), Docker, Kubernetes, Terraform, Jenkins, GitLab CI, Ansible, Nginx, Apache, Apache Tomcat, Cloudflare, Oracle Cloud, Heroku, Firebase, CircleCI, Travis CI, GitLab, Bitbucket, SVN, SonarQube

Architecture & APIs

Microservices, RESTful API Design, System Architecture, API Gateway, Performance Optimization, Apache Kafka, Swagger/OpenAPI, API Security, REST, SOAP, JSON-RPC, JWT, WebRTC, Socket.IO, AJAX, Twilio, API Development

Databases

MySQL, PostgreSQL, MongoDB, Redis, ElasticSearch, MSSQL, Oracle, SQLite, MariaDB, NoSQL

Leadership & Methodologies

Technical Leadership, Agile, Scrum, CI/CD, Cross-functional Collaboration, Code Review, Project Management, FinTech, Microservices, End-to-end Testing, ERP Software, Skill Development, Framework Design

Tools & Platforms

IntelliJ IDEA, JIRA, Confluence, POSTMAN, Apache Kafka, RabbitMQ, Webpack, IBM MQ, Cursor IDE, Claude Code

ADDITIONAL INFORMATION

- **Languages:** English (Professional), Urdu (Intermediate), Sindhi (Native)
- **Hobbies:** Cooking, Anime & Manga, Video Games
- **Self-Learning & Projects:** Hands-on practice with Spring Boot, PostgreSQL, Ansible, Node.js, and Python through personal projects and sandbox environments to strengthen backend architecture and automation skills.