

MUHAMMAD AHMAD BAIG

Backend System Architect

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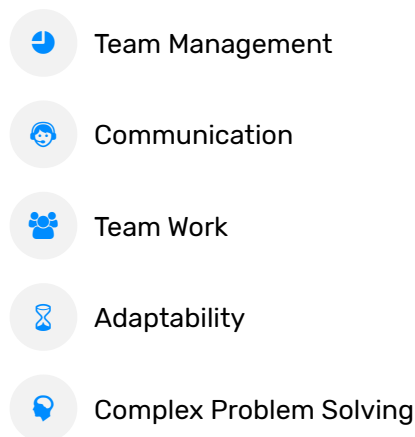
SKILLS



Operating Systems



STRENGTHS



ACHIEVEMENTS

Helped the business in raising \$1M Series A funding

Worked on critical integrations and released them on time

Spearheaded a \$12M software project

from design to distribution as a senior software engineer in a 12-people team

SUMMARY

With over a decade in the industry, I've been a driving force behind the adoption of established technologies. In recent years, I've led a team in implementing Agile development practices, leveraging Accelerate Strategies, and integrating modern tools like Laravel, Python, Golang AWS ECS, AWS Serverless, Lambda, Elastic Search, and Continuous Delivery. I've successfully overseen multiple project releases, managing teams ranging from individual contributors to over 20 members. Our achievements include reaching elite performance levels, exploring new technology stacks, enhancing team skills, and pushing the boundaries of web applications.

PROFESSIONAL EXPERIENCE

Solution Architect

NorthBay Solutions

📅 08/2023 - Present 📍 Islamabad, PK

- Improved system efficiency by 60% by migrating legacy code to microservices architecture using Django and Laravel
- Enhanced reporting efficiency by 40% by migrating logs from MySQL to Snowflake and Datalake, and Streamlit apps, improving data processing speed
- Improved the customer service by providing them a separate management panel based on Laravel Nova
- Integrated Intercom with the app for better ticketing system
- Improved the closure process by 30% by introducing a new microservice to automate the process

Software Development Lead

Byte8 Solutions

📅 11/2021 - 07/2023 📍 Islamabad, PK

- Built an elite software delivery performing team
- Architected the complete infrastructure to build and deploy internal and external applications
- Started the technology department that is 20+ people now building custom tailored applications using Laravel, Django, VueJS, FastAPI on AWS, Digital Ocean and Lindoe
- Led and developed the web applications for Fintechs, Influencers Marketing Platforms, Startups and Ecommerce

Backend Developer E Commerce Platforms

Arrow Checkout (YC S21)

📅 02/2022 - 12/2022 📍 Singapore, SG

- Developed a One-Click Checkout solution for SEA based ecommerce stores
- Developed WordPress plugin as internal product of Arrow that used backend APIs
- Architected and developed a web based portal to communicate with Shopify, WooCommerce, Magento and Opencart stores
- Developed a one-click store shift solution using Laravel, Python and WooCommerce
- Moved the complete communication layer from Laravel to Golang as a microservice to send out the customer, internal and marketing emails
- Introduced the TDD methodology in the company for better feature and code coverages

Principal Software Engineer

DatumSquare IT Services

📅 05/2019 - 10/2021 📍 Islamabad, PK

- Developed an all-in-one automated sales and marketing solution using Laravel, FastAPI, ReactJS and Microservices
- Suggested the CI/CD workflow that was later adopted in the company for delivering the end products to the clients that later resulted in increasing the delivery by 20% within one month
- Worked on the real estate CRM as a Lead Developer and updated the codebase from legacy to the latest Laravel version
- Conducted a few workshops on Clean Coding Concepts

ACHIEVEMENTS

Improved the software delivery
by converting a large application into micro services

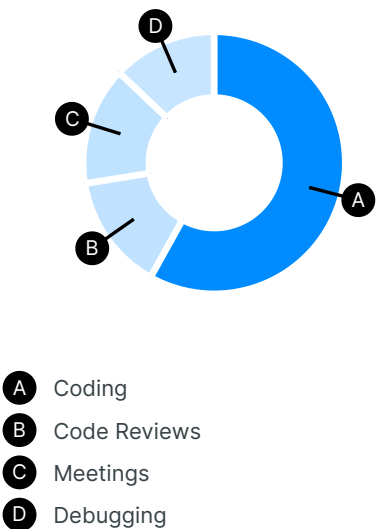
Performance improvement by 30%
by moving the logs and events from RDBMS to datalake

REFERENCES

Sudhan Raj, CTO, Arrow (YC S21)
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Shaharyar Khan, Backend Architect, Funds Access AG
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WHAT MY DAY LOOKS LIKE



PROFESSIONAL EXPERIENCE

Technical Manager

CodesOrbit 07/2018 - 12/2018 Islamabad, PK

- Improved the technical process to optimize the resources
- Managed the team of 30+ resources including developers, designers and account managers
- Delivered 90% uptime in production by implementing CI/CD services
- Liaised between technology and business units to manage delivery schedules for applications

Senior Web Application Developer

Quaid Technologies 06/2017 - 07/2018 Rawalpindi, PK

- Directed the development of multiple web applications, managing a budget of \$500k
- Built and maintained Web applications and ecommerce solutions using PHP, Python and WordPress
- Helped to develop workflows around CI and server maintenance
- Implemented TDD, CI and CD practices for staging and development environments

Senior Software Engineer

Cygnus Dev 05/2016 - 06/2017 Islamabad, PK

- Developed and maintained three Laravel and WooCommerce based applications
- Worked on several internal products for the company using Laravel, Django and VueJS
- Wrote a custom deployment shell script using Git Hooks to automate the deployments of the projects

Web Developer

Fliegen IT Solutions 12/2013 - 05/2016 Islamabad, PK

- Moved the core logic of the main product from vanilla PHP to CodeIgniter
- Developed plugins and themes for WordPress
- Developed themes and extensions for Open Cart
- Developed web applications using Laravel, CodeIgniter, jQuery and WordPress

EDUCATION

Bachelor of Science, Information Technology

PMAS Arid Agriculture University 2007 - 2013 Rawalpindi, PK

LANGUAGES

Urdu Native English Proficient

German Beginner