# Mohammad Afzal

Lead Cloud Engineer | Product Development Engineer | Web Application Specialist  
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## Summary

**Lead Cloud Engineer at Technumen** with over 9 years of extensive experience in Web Application Development. Proficient in full-stack development, with expertise in Java, frontend and backend development in Monolithic and Microservice architectures. Skilled in AWS Services, Stripe payment gateway integration, and Linux System Administration. Strong track record in developing ERP applications and diverse web applications for product and service-based organizations. Proficient in Spring, Hibernate, ReactJS, Angular and Docker. Actively engaged on stackoverflow.com with a reputation of over 8000 points. Passionate hobbyist guitarist.

## Technical Proficiencies

**Programming Languages:** Java, Python, JavaScript

**Backend Development:** Spring Boot, Hibernate, Restful Services, Node.js

**Frontend Development:** ReactJS, AngularJS, Flutter

**Database Systems:** PostgreSQL, MySQL, MongoDB, Redis, Snowflake

**Cloud Services:** AWS (EC2, RDS, S3, Lambda), Azure

**DevOps Tools:** Docker, Kubernetes, Jenkins, Git

**Machine Learning and Data Science:** Scikit-learn, JupyterLab

**Testing and Automation:** JUnit, Selenium, Cucumber

## Experience

### Lead Cloud Engineer, Technumen | 2024 - Present

* Oversaw the integration of advanced cloud services, including serverless computing models like AWS Lambda, to optimize operational efficiency and reduce costs.
* Led the development of scalable microservices using Java and Spring Boot, integrating Kafka for efficient message processing and AWS for robust cloud infrastructure.
* Streamlined deployment processes with Docker and Kubernetes, implementing CI/CD pipelines using Jenkins to ensure rapid, reliable delivery.
* Developed dynamic web interfaces using ReactJS, ensuring seamless integration with backend systems to enhance user experience and system performance.

### Product Development Engineer, Calibo | 2020 - 2023

* Lead the development of scalable web applications in a microservice architecture using Java, Spring Boot, and Hibernate.
* Collaborate with cross-functional teams to understand requirements and deliver high-quality features to production.
* Architect and implement DevOps practices, leveraging Docker, Kubernetes, and Jenkins for continuous integration and deployment.
* Utilize AWS services such as EC2, RDS, and Sagemaker to build robust and scalable cloud solutions.
* Work closely with stakeholders to gather feedback, optimize application performance, and ensure smooth product delivery.

### Senior Associate, Nagarro | 2019 - 2020

* Led the digital transformation of project development by developing web applications using Spring Boot, RabbitMQ, Angular 8, and Postgresql.
* Collaborated with a team of engineers to design and implement scalable microservices architecture.
* Ensured high code quality and adherence to best practices through code reviews and automated testing.
* Actively participated in agile development processes, including sprint planning, daily stand-ups, and retrospective meetings.

### Senior Software Engineer, Enbraun | 2015 - 2019

* Developed multi-user resource management and scheduling software using JavaEE, AngularJS, and Restful services.
* Designed and implemented RESTful APIs for seamless integration with external systems.
* Collaborated with clients to gather requirements, provide technical guidance, and deliver custom solutions.
* Led the migration of legacy applications to modern technologies, resulting in improved performance and user experience.

### Freelancer | Before 2015

data not available

## Project Profile

### LAZSA

Industry-first Product Platform-as-a-Service (pPaaS) to redefine digital innovation and drive competitive advantage through digital business. The platform provides a comprehensive set of tools and technology stack to efficiently manage, define, design, develop, and deploy phases of product development.

Key Contributions:

* Led a team in the development and implementation of core features, ensuring successful delivery to the production environment.
* Collaborated with stakeholders to understand requirements and made architectural decisions to ensure the platform's scalability and performance.
* Implemented Java8, Spring Boot, AWS services, Kafka, ReactJS, Docker, Kubernetes, Jenkins, Sagemaker, MLFlow, Kedro, and ELK for seamless development and deployment.

### DiPEC (Digitalized Project Execution)

Web application created to digitalize project development, utilized by engineers of Siemens. The project involved team leadership and development from the initial stages. The application was developed in a microservices architecture, ensuring scalability.

Key Contributions:

* Led a team in the development of features and functionality, meeting project deadlines and ensuring high code quality.
* Leveraged Spring Boot, Kafka, Angular 8, Postgresql, and Material UI to deliver a robust and user-friendly application.

### eResource Scheduler

data not available

### Abho Costing Sheet

data not available

## Education Detail

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