

# Mohammed Shoaib. Makandar

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## Summary:

DevOps & Cloud Engineer with expertise in AWS, Kubernetes, Docker, Terraform, and CI/CD automation. Designed scalable cloud infrastructures, optimized SaaS applications, and automated deployments. Built secure CI/CD pipelines, reducing deployment time by 60%, and deployed AWS Rekognition-based face recognition with 99.9% uptime. Passionate about automation, cloud security, and infrastructure as code (IaC).

## Experience

<b>Junior Cloud Engineer Intern   Eyesec Cybersecurity Solutions Pvt. Ltd   Belgavi</b>	March 2023 – June 2023
<ul style="list-style-type: none"><li>Problem: The company required a scalable and efficient cloud infrastructure to support SaaS applications while optimizing online sales for a client in the Farm House Goods sector.</li><li>Action: Managed and configured AWS services, including EC2 (VMs), storage solutions, ECS (containers), and Load Balancers for SaaS applications. Conducted an in-depth analysis of various use cases and designed a customized cloud-based blueprint for improving online sales.</li><li>Result: Successfully deployed the optimized SaaS infrastructure, leading to a <b>6.33%</b> increase in sales within the first six months of implementation.</li><li>Conducted in-depth analysis of 50+ use cases and crafted a comprehensive cloud-based SaaS application plan; successfully transformed the online sales of Farm House Goods, driving a 40% boost in revenue within the initial quarter.</li></ul>	
<b>Trainee   BSNL   Belgavi</b>	September 2022 – October 2022
<ul style="list-style-type: none"><li>Problem: BSNL needed improved efficiency in sales operations while ensuring robust networking infrastructure management.</li><li>Action: Completed comprehensive training in Computer Networks, focusing on critical components like switches, routers, and FTTH (Fibre To The Home). Additionally, contributed to Networking Server management. Enforced a CRM system to streamline sales operations and reduce administrative workload.</li><li>Result: Achieved a <b>10%</b> reduction in administrative tasks, allowing the sales team to prioritize high-value opportunities, which led to a 5% increase in overall sales efficiency.</li></ul>	

## Selected Projects

<b>DevSecOps Pipeline for Netflix Clone Deployment on Kubernetes</b>
<ul style="list-style-type: none"><li>Designed and executed a CI/CD pipeline using Jenkins, reducing deployment time by 60% through automation.</li><li>Integrated security tools like <b>SonarQube</b> and <b>Trivy</b> for vulnerability scanning, improving code quality and reducing security risks by 40%.</li><li>Deployed containerized applications over AWS Elastic Kubernetes Service (<b>EKS</b>) using <b>Helm</b> and <b>ArgoCD</b>, ensuring <b>99.9% uptime</b>.</li><li>Built real-time monitoring with Prometheus and Grafana, reducing incident response time by 50%.</li><li>Automated Docker image builds and pushed to <b>Docker Hub</b>, improving deployment consistency and security.</li><li>Configured <b>SMTP</b>-based notifications for pipeline failures, improving failure detection and resolution by 30%.</li><li>Optimized cloud infrastructure on AWS, reducing operational costs by 20% through efficient resource allocation.</li></ul>
<b>Automated Face Recognition System Deployment using AWS Rekognition</b>
<ul style="list-style-type: none"><li>Problem: Traditional face recognition systems required high computational power and lacked scalability in cloud-based environments.</li><li>Action: Designed and deployed an AWS Rekognition-based Face Recognition System, integrating S3, Lambda, DynamoDB, and IAM roles for secure and efficient processing. Engineered a high-accuracy machine learning model, ensuring seamless image identification and real-time analysis. Implemented a scalable architecture with data enrichment for continuous improvement.</li><li>Result: Improved image recognition accuracy by 15%, reduced processing time by 30%, and ensured 99.9% system uptime through efficient cloud infrastructure</li></ul>
<b>Dockerizing and Deploying '2048' Game on AWS with Elastic Beanstalk</b>
<ul style="list-style-type: none"><li>Problem: Deployment of web-based applications often faced compatibility issues and manual configuration complexities across different environments.</li><li>Action: Dockerized the '2048' game and deployed it on AWS Elastic Beanstalk, creating a lightweight, scalable containerized solution. Configured Docker images, automated provisioning, and streamlined application hosting to ensure seamless deployment.</li><li>Result: Achieved 40% faster deployment times, reduced server provisioning efforts by 50%, and enhanced system reliability with 99.8% uptime, demonstrating expertise in Docker, AWS deployment, and DevOps methodologies.</li></ul>

## Technical Skills

Programming Languages: **Java**, Python, C  
Cloud & Infrastructure: AWS (EC2, S3, Lambda, Rekognition, Elastic Beanstalk, DynamoDB, IAM), Azure, Terraform  
DevOps & Automation: Docker, Kubernetes, Jenkins, Git, GitHub, CI/CD, Configuration Management, Automation  
Monitoring & Logging: Grafana, Prometheus  
Databases: DBMS, SQL, DynamoDB  
Networking & Security: Computer Networks, Load Balancing, IAM Roles, Networking Server Management  
Software Development Concepts: Object-Oriented Programming (OOP), Agile & Scrum Methodologies, SaaS Architecture  
Operating Systems: Linux/Unix, Windows, MacOS  
Software Tools: Visual Studio Code(VS Code), Vim, Nano

## Management & Leadership Skills

Operational Strategy, Strategic Thinking, Innovation & Creativity, Change Management, Delegation, Time Management, Decision Making, Problem Solving, Coaching & Mentoring, Effective Communication, Leadership

## Volunteer and Leader Experience

<b>Placement Coordinator</b> :	Coordinated with recruiters to facilitate student placements and career events. Assisted peers with resume building and interview preparation.
<b>College Event Organizer:</b>	Planned and managed technical, sports, and cultural events for smooth execution. Handled logistics and scheduling to optimize participation.
<b>Workshop Volunteer   Cyber Security vs Ethical Hacking:</b>	Assisted in troubleshooting and hands-on guidance for 100+ attendees. Supported Secuneus Tech’s cybersecurity workshop for interactive learning.

## Certification

Diploma in Office Automation | [Oracle Cloud Success Navigator Essentials](#) | [Oracle Cloud CX Certified Foundations Associate](#)  
[Oracle Cloud ERP Foundations Certified Associate](#) | [Oracle Cloud HCM Certified Foundations Associate](#) | [Oracle Cloud SCM Certified Foundations Associate](#)

## Education

- Bachelor of **Computer Application** | Rani Channamma University, Karnataka
- Diploma in **Computer Science and Engineering** | **CGPA: 9.52/10** | Jain Polytechnic, Karnataka