

# MUHAMMED SAFWAN

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## FULLSTACK ENGINEER

5+ yr Full Stack Dev. Python, Django/Flask Web App, Rest APIs Mastery. Design, code, deploy. SDLC Proficient. Build innovative, seamless products. Open-Source Advocate.

## WORK EXPERIENCE

<b>Barq Group</b> <b>Python Lead Programmer</b>	<b>09/2025 - Present</b> Kochi, Kerala, IN
<ul style="list-style-type: none"><li>Focusing on building better healthcare tools aimed at improving hospital operations and patient experience</li></ul>	
<b>Epixel Solutions</b> <b>Senior Software Engineer</b>	<b>02/2023 - 09/2025</b> Kochi, Kerala, IN
<ul style="list-style-type: none"><li>Conceptualized and built 4+ MLM projects to efficiently address client requirements.</li><li>Migrated a WordPress project to Django, streamlining client-server communication by 40%, propelling customer satisfaction.</li><li>Agilely managed iterative MLM feature development, trimming development time by 10% and fostering a collaborative team environment.</li><li>Championed R&amp;D efforts, igniting innovative concepts, cutting-edge advancements, intelligent automation, and data-driven strategies to propel MLM business success.</li></ul>	
<b>GI Group Holding</b> <b>Software Development Engineer</b>	<b>01/2022 - 02/2023</b> Kochi, Kerala, IN
<ul style="list-style-type: none"><li>Played a key role in 3+ groundbreaking Aircraft Maintenance projects, guaranteeing flawless performance and delivering predictive maintenance insights.</li><li>Developed TARA Electronic Technical Log(ETL), revolutionizing tech log management for airlines, resulting in error reduction to 50%, cost savings, and improved accuracy.</li><li>Contributed to the development of 3D Repair Mapping, enabling comprehensive lifecycle tracking of repairs and streamlined damage identification.</li><li>Co-created a secure and precise records management system for a large aircraft fleet.</li></ul>	
<b>Xantron e-Solutions</b> <b>Backend Developer</b>	<b>06/2020 - 10/2021</b> Malappuram, Kerala, IN
<ul style="list-style-type: none"><li>Engineered Xcampus, a scalable campus management system adopted by 30+ institutions, streamlining operations and enhancing student experience by managing attendance, finances, and exams seamlessly.</li><li>Automated answer script evaluation with XEMS, utilizing digital false numbering, achieving a remarkable 60% reduction in evaluation time.</li><li>Deployed paperless exam distribution through Online Question Paper Dispatch, conserving 3 sheets of paper per person and bolstering security with encryption.</li></ul>	

## EDUCATION

<b>Bachelor of Science (BSc) in Computer Science</b> University of Calicut	Kerala, IN • 01/2017 - 01/2020
<b>12th Grade Diploma in Computer Science</b> Kerala State Board	Kerala, IN • 01/2015 - 01/2017

## AWARDS & SCHOLARSHIPS

### Best performer

Epixel Solutions

## PROJECTS

### Epixel MLM

02/2023 – Present

Epixel Solutions

- Integrated MailChimp, achieving a 25% open rate, and SMS campaigns, increasing response rates by 15%.
- Leveraged QR codes, amplifying referral sign-ups by 40%.
- Orchestrated 20+ offline and online events, enhancing user engagement by 30% and elevating brand presence.
- Spearheaded the implementation of free subscription renewals, boosting customer retention by 20%.

### XEMS & Xcampus

04/2020 – 09/2020

Xantron e-Solutions

- Led the XEMS digital false numbering of answer scripts, boosting evaluation efficiency by 30% using Python, Flask-RESTful, MySQL, and Git.
- Oversaw Xcampus development, integrating attendance, finance, exams, and paperless question paper dispatch (reduced paper usage by 40%, increased efficiency by 28%).
- Developed paperless system for question paper dispatch (Online Question Paper Dispatch), employing encryption for enhanced security and reducing printing costs by 50%.
- Contributed to educational administration for smooth campus operations and building scalable products for a seamless user experience.

### TARA

08/2020 – 09/2020

GI Group Holding

- Pioneered the TARA Aircraft Maintenance Compliance and Data Analytics Platform, leveraging Django Rest Framework, Vue.js, C++, Qt, Qml, enhancing efficiency by 30%.
- Designed and implemented the TARA Electronic Technical Log, reducing errors and costs through process digitization.
- Integrated YubiKey digital signatures for enhanced compliance and security, achieving 99% accuracy in document authentication.
- Orchestrated development of TARA 3D Repair Mapping for comprehensive repair lifecycle tracking. Reduced repair time by 20%.
- Directed development of TARA Management Dashboard with Analytics, cutting downtime by 25%.

## SKILLS

Agile, AJAX, AWS, Azure, C++, Celery, CI/CD, Critical thinking, CSS, Django, Docker, DRF, ECR, Elasticsearch, Fast API, Flask, GCP, Git, HTML, JavaScript, Jenkins, Jira, jQuery, Jupyter, Leadership, MongoDB, MySQL, OpenSearch, Postgres, Postman, Problem solving, Project Management, PyCharm, Pytest, Python, Qml, Qt, Redis, Redmine, RESTful API, SASS, Scrum, TDD, Unit Testing, Version Control, VSCode, VueJS