

Muhammad Muzamil Kaleem

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WORK EXPERIENCE

Arbisoft

Software Engineer

June 2026 – Present

- Implemented opt-in local authentication for Apache DevLake using Argon2id, sessions, throttling, credential management, and bootstrap-admin flows while preserving OIDC identity linking; delivered 27/27 Playwright checks and extensive regression coverage.
- Built and validated database-backed multi-provider OIDC across Go services, Config UI, Grafana, and MySQL/PostgreSQL, with encrypted credentials, secure redirect/discovery validation, and SSRF protections.
- Built and tested an authenticated Claude Code telemetry pipeline (OpenTelemetry Collector, Prometheus, Grafana) with trusted team/project attribution; debugged Docker, routing, and staging deployment convergence across the observability stack.
- Built and shipped a responsive, SEO-friendly digital archive using Next.js, React, TypeScript, and Tailwind; deployed through GitLab CI/CD with Nginx and instrumented key media and donation journeys in PostHog.
- Migrated customized Odoo procurement and inventory workflows toward Odoo 19 using Python, OpenUpgrade, and PostgreSQL; diagnosed migration constraints and production application/database connectivity failures.

vFairs

September 2024 – April 2026

- Maintained two Python repositories containing **60+** Selenium, Scrapy, and BeautifulSoup web scrapers, containerized and deployed on AWS.
- Built internal Laravel/Flask tooling and automated testing with Python, Playwright, pytest, POM, and CI/CD integration.
- Developed event AI features using LangChain, OpenAI APIs, and n8n, including matchmaking and event chatbots.

PROJECTS

RentMyRide

[Link to GitHub](#)

Web application built with Next.js, Express.js, and MongoDB for managing vehicle rentals and listings. Implements secure authentication, RESTful APIs, and efficient database queries. Deployed on Vercel.

QALMS

[Link to GitHub](#)

Flask application using BeautifulSoup, Selenium, and Pandas to aggregate student data from NUST's Qalam and LMS portals into a unified dashboard.

EDUCATION

2022 – 2026 BS Computer Science at **NUST, H-12 Islamabad, Pakistan**

SKILLS

Languages	Go, Python, TypeScript/JavaScript, SQL, Java, C/C++
Backend & Data	FastAPI, Flask, Express.js, REST APIs, Odoo, PostgreSQL, MySQL, MongoDB, GORM, database migrations
Frontend	Next.js, React, Tailwind CSS, Webflow, responsive design, SEO/accessibility
Security & Identity	OAuth 2.0, OpenID Connect (OIDC), SSO, RBAC, session-based authentication, API security
Platform & Observability	Docker, GitHub Actions, GitLab CI/CD, Nginx, AWS, OpenTelemetry, Prometheus, Grafana, PostHog
Testing & Tooling	Playwright, pytest, Selenium, Git