

MOHAMMED INSAF M

Technical Lead

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Software enthusiast with 8+ years of experience in developing robust code across various platforms, including e-commerce, high-volume direct selling businesses, invoicing, conveyancing, and analytics. A skilled professional with proven expertise in programming, web development, and ethical hacking. A dedicated team player with a proactive attitude, exceptional attention to detail in addressing security vulnerabilities, phenomenal time management skills, and a strong user-centric focus.

At my most recent organization, I enhanced my leadership skills by contributing to a GRC and Analytics platform. I was also part of the onsite team for a unified decision-making platform developed for a known government organization in the UAE.

PROFESSIONAL EXPERIENCE

Technical Lead at Beinex (Nov 2022 - Feb 2026)

- Led a team in the development of a dedicated Governance, Risk, Compliance, and Analytics platform.
- Utilizing technologies such as Python (Django/FastAPI) and various database management systems incorporating advanced analytics, AI and ML capabilities.
- Implemented best coding practices, optimized system performance, and managed version control with Git, facilitating effective code reviews and team collaboration.
- Had the opportunity to work onsite and contribute to a unified decision-making platform, which includes analytics, statistical insights, and advanced self-service features, for a prominent government organization in the United Arab Emirates (UAE), focusing on strategic planning and technological integration. Worked with AWS, IBM Cloud services, Kubernetes, and OpenShift for deploying and managing containerized applications.
- Enhanced leadership skills and expanded proficiency in big data technologies, including Apache Spark, ClickHouse, and Apache Druid, along with expertise in Node.js and GoLang for building scalable services.

Senior Software Engineer at LSG - Legal Solutions Group (June 2021 - Nov 2022)

- Led a team in developing client invoicing and conveyancing platforms using Django and ReactJS, with MySQL and PostgreSQL on Docker.
- Enhanced Django REST framework APIs and integrated them with ReactJS, identified and resolved security issues during development.
- Developed modules for support ticketing, content management, single sign-on, report generation.

Senior Software Engineer at Epixel Solutions Pvt Ltd (June 2017 - June 2021)

- Led teams through the software development lifecycle for over 10 client projects.
- Developed infrastructure using Django (Python), GoLang, Node.js, Drupal, and WordPress (PHP) with PostgreSQL, MySQL, and MongoDB; Deployed and managed applications on AWS EC2 instances and leveraged S3 for static asset storage and media file management.
- Worked with GoLang to implement and manage cron jobs for automated background task processing, and developed RESTful APIs using the Gin framework within a microservices architecture.
- Integrated payment gateways such as PayPal, Authorize.net, Stripe, CoinPayments, Uphold.

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- Performed security assessments and responsible for accurate and timely reporting of findings and planning remediation and mitigation of vulnerabilities. Collaborated with DevOps teams to troubleshoot and resolve production issues.
 - Spearheaded the company idea generation program and improved efficiency in SDLC.

SKILLS

- **Programming:** Python, PHP, Javascript, GoLang.
- **Web Development:** Django, FastAPI, ReactJS, Node.js, Gin, Drupal, WordPress, HTML, CSS, JavaScript.
- **Databases:** PostgreSQL, MySQL, MongoDB, Apache Druid, Clickhouse, Redis.
- **Big Data:** Apache Spark
- **Tools:** Docker, REST APIs, Selenium, Git/Github/GitLab, Shell scripting.
- **Security:** Vulnerability identification, Ethical hacking, Secure coding practices, and Tools like OWASP ZAP, Burp Suite, sqlmap, Metasploit, etc.
- **Cloud & DevOps:** AWS, Azure, OpenShift, Kubernetes (basics), Jenkins.
- **Soft Skills:** Teamwork, Problem solving, Leadership, Creative thinking, Time management.

CERTIFICATIONS

- Certified Ethical Hacker, EC Council (ECC9738165240)
- Introduction to Kubernetes, DataCamp (35275741)
- Ethical Hacking Essentials, EC Council (306363)

PROJECTS

With over 8 years of experience, I have worked on numerous projects, utilizing a wide range of technologies. These are my personal projects, distinct from the work I've done for companies.

Promptlytic - AI Dashboard Builder

- An AI-powered dashboard builder that enables users to generate data visualizations using simple English commands.
- Built using GoLang for backend services, React for the frontend, with PostgreSQL and ClickHouse for database and analytics.
- Rather than navigating intricate interfaces of conventional business intelligence tools, users can simply describe the charts they need, and they are created instantly.
- Enables intuitive dashboard creation by describing charts, connecting diverse data sources, customizing visuals effortlessly, and supporting multiple chart types.
- URL: <https://promptlytic.insafweb.in>

WebInspectra

- Python package to detect web technologies used by websites, categorizing frontend and backend frameworks, libraries, CDNs, and advertising platforms.
- Implemented advanced detection patterns to accurately identify and report version details of these technologies. This enhances the ability to thoroughly analyze potential security vulnerabilities.
- URL: <https://pypi.org/project/WebInspectra>

Government College Website - GPTC Thirurangadi

- Developed, hosted, and managed a dynamic Drupal website for AKNM Government Polytechnic College. It includes features for managing students, staff, and study materials.
- URL: <https://gptcthirurangadi.in>

DockerizedDjango

- Created a comprehensive guide and project template for setting up Django with Docker. This approach simplifies the installation process for both development and production environments, eliminating the need to configure each component individually.
- URL: <https://github.com/insafm/dockerized-django>

EDUCATION

Bachelor of Computer Applications (BCA) (Pursuing, Expected 2028)

Indira Gandhi National Open University (IGNOU) | Remote

- Currently in Semester 2. Mastering core programming concepts, Discrete Mathematics, Computer Fundamentals.
- Gaining foundational knowledge in Computer Networks, Operating Systems, and Database Management Systems.

Diploma in Computer Science (June 2014 - June 2017)

Avu Kader Kutty Nahasahib Memorial Government Polytechnic College, Thirurangadi

- CGPA: 8.77, First Class with Distinction
- Delivered a seminar on ethical hacking best practices.
- Final year project: Built and hosted a dynamic college website.

Higher Secondary (March 2012 - March 2014)

Government Higher Secondary School, Areekode

LANGUAGES

- English, Malayalam, Tamil