

CONTACT

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-  Irfan AK
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EDUCATION

-  B.E. (Electrical Engineering) from IIT Bhilai | 2019 – 2023
CGPA: 7.15/10
Coursework: Cryptography, Software Tools and Technologies, Artificial Intelligence, Operating Systems

CORE COMPETENCIES

- System Architecture Design
- Agile Methodologies
- Data Migration
- Information Security Management
- Performance Tuning
- Microservices Architecture
- User-Centric Design
- Application Scalability
- Technical Documentation

TECHNICAL SKILLS

- Languages:** C#, Go-lang, Java, JavaScript, Python, C++, C
- Databases:** SQL, PostgreSQL, MongoDB, Elastic Search
- Technologies:** ASP.NET, Micro-Services, JQueries, JUnit, Selenium, Google Cloud, Postman

SOFT SKILLS

- Adaptability
- Time Management
- Teamwork
- Attention to Detail
- Problem-solving

PERSONAL DETAILS

- Date of Birth:** 6th April 2000
- Languages Known:** English
- Address:** Bangalore, 560102

Irfan Ahamed Kodakkadan

Result-driven professional with **over 2 years** of experience in back-end engineering and microservices architecture, skilled in system design, security hardening, and agile delivery; targeting roles in scalable, secure, and high-performance distributed systems, preferably in Bangalore or Overseas.

PROFILE SUMMARY

- Engineered **scalable back-end ecosystems** using **microservices architecture** and **advanced programming paradigms**, delivering low-latency services across **Go-Lang, Java, and Python**
- Led **data migration initiatives**, transforming legacy systems into Go-Lang-based microservices and achieving an **85% reduction in memory consumption with improved maintainability**
- Enhanced platform resilience through **rigorous information security practices**, proactively identifying and neutralizing critical vulnerabilities to ensure regulatory compliance
- Boosted distributed system performance by integrating Redis caching, **reducing database load by 72% and increasing throughput across high-traffic workflow**
- Delivered **high-quality product increments** using **agile methodologies** and **user-centric design**, collaborating effectively with cross-functional teams under tight delivery cycles.
- Built a versatile technical portfolio in **system architecture, API engineering, and cloud-ready development**

WORK EXPERIENCE

Sept'23 - Jan'26: AirAsia Move, Bangalore as Software Engineer - I

Highlights:

- Developed a centralized library for pricing and hotel vacancy validation, using Git sub-modules for cross-project reuse
- Designed and executed scripts to migrate PostgreSQL databases to Google Cloud Services, ensuring seamless data transfer with zero loss
- Addressed critical security vulnerabilities by deploying rapid fixes to protect sensitive financial and customer data
- Created Admin pages with pagination and filters to improve data management and usability.
- Optimized website performance to reduce server load while enhancing customer experience
- Implemented unit test-driven development in CI/CD pipelines to deliver robust, high-quality code
- Built Grafana dashboards and automated alerts to detect and resolve errors quickly, minimizing service downtime

PROJECTS

Kalyna E2EE Chat | Nov'21 – Dec'21 | [Link](#) | [Documentation](#)

- Engineered the complete implementation of Kalyna Encryption, including key scheduling, hashing, and compression algorithms using Java
- Utilized Java, JUnit, and multi-threading to build and validate secure, efficient encryption workflow
- Referenced Kalyna Git and official documentation to ensure accuracy and compliance with encryption standards

Delta | Sept'23 – Till Date | [Link](#)

- Built a file analysis utility leveraging fast hashing algorithms to detect duplicate files and folders within a system
- Applied Java, cryptographic functions, and OS-level concepts to enhance scanning speed and accuracy
- Referred to Delta Git resources to guide development and feature optimization