

FIKRI IRAWAN ABDURAHMAN

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PROFESSIONAL PROFILE

Experienced Software Developer, Database Engineer, and Data Analyst with **15+ years of expertise** in enterprise software development, data infrastructure, and automation solutions. Proven track record delivering high-impact solutions across energy, telecommunications, and digital healthcare sectors. Specializing in **AI-driven data analysis, workflow automation, and business intelligence systems**. Motivated by leveraging modern AI tools and methodologies to optimize operations and drive digital transformation.

CORE COMPETENCIES

Software Development & Architecture

- .NET & Web Application Development (C#, [ASP.NET](#))
- Full-Stack Development & API Design
- Test-Driven Development (TDD) & Clean Code Practices
- Agile Methodology & DevOps Collaboration

Data Engineering & Analytics

- Database Design, Optimization & Administration (SQL Server, PostgreSQL)
- Data Warehouse & Business Intelligence (BI) Solutions
- ETL Processes & Data Pipeline Development
- Advanced Data Analysis & Reporting

AI & Automation

- Data-Driven Decision Making & Predictive Analytics
- Dashboard & Data Visualization (Power BI, Tableau, Grafana)
- Business Process Automation & Workflow Optimization
- AI System Validation & Quality Assurance

Infrastructure & DevOps

- Cloud Platform Management (AWS, Azure)
- On-Premise & Hybrid Infrastructure Support
- Network Monitoring & System Administration
- Security & Compliance (Healthcare Data Standards, GDPR)

Leadership & Collaboration

- Team Leadership & Mentoring
- Cross-Functional Project Management

- Stakeholder Communication & Client Relations
 - Agile Team Coordination
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PROFESSIONAL EXPERIENCE

HealthCare Digital Solution, INC — Database Administrator & Data Analyst

2021 – Present

- **Data Infrastructure Management:** Architected and maintained high-performance databases for digital healthcare platforms serving 100K+ patients, ensuring 99.9% uptime and HIPAA/international health data compliance
- **Business Intelligence & Analytics:** Developed advanced data analysis pipelines to extract strategic insights from patient and operational data, informing executive decision-making
- **AI System Integration:** Contributed to validation and optimization of AI-driven clinical applications and machine learning model deployment in healthcare workflows
- **Quality Assurance:** Established comprehensive QA protocols for clinical AI systems, ensuring accuracy and safety in patient-facing applications
- **Infrastructure Support:** Collaborated with infrastructure team on cloud migration (AWS/Azure) and on-premise server optimization, reducing operational costs by 20%

PT. Horizon Perdana Internasional — .NET Software Developer (Pertamina Project)

Jan 2020 – Jun 2021

- **Enterprise Application Development:** Designed and developed integrated software systems for energy sector with comprehensive documentation and rigorous validation processes
- **Full-Cycle Delivery:** Led complete software development lifecycle including requirements gathering, architecture design, implementation, testing, and production deployment
- **Performance Optimization:** Optimized application performance resulting in 30% improvement in transaction processing speed
- **Team Collaboration:** Worked with cross-functional teams (QA, Infrastructure, Business Analysts) in Agile environment

PT. Gazegaz Pasifik Internasional — Dashboard & Database Engineer

Jan 2018 – Dec 2019

- **BI Solution Development:** Designed and developed interactive dashboards for gazegaz.com web portal, enabling real-time business monitoring and data-driven decision making
- **Database Optimization:** Optimized database queries and implemented indexing strategies, improving dashboard load time by 40%
- **Quality Assurance:** Conducted technical testing, debugging, and implemented test-driven development practices

- **Data Visualization:** Created compelling data visualizations transforming complex datasets into actionable business insights

PT. Horizon Perdana Internasional — Dashboard & Testing Engineer (SOTDM SKK Migas Project)

Mar 2017 – Nov 2017

- **QA Automation:** Performed comprehensive QA on Java-based web and mobile applications; created automated test scripts reducing manual testing effort by 35%
- **Test Strategy & Documentation:** Designed detailed test cases and test plans; compiled comprehensive bug reports with reproduction steps and severity assessment
- **Cross-Platform Testing:** Conducted manual and automated testing across multiple devices and browsers
- **Performance Testing:** Executed load testing and performance analysis for mission-critical applications

PT. Indosat Tbk (Region III – Riau) — Staff Engineer

Jul 2008 – Aug 2011

- **Network Infrastructure:** Monitored and maintained fiber optic and radio networks (on-site & remote monitoring) for telecommunications services
- **Technical Testing:** Executed comprehensive software and hardware testing for new and upgraded network projects
- **System Documentation:** Created technical documentation for network configurations and troubleshooting procedures
- **24/7 Support:** Provided critical infrastructure support ensuring minimal downtime

Media Polar — Project Manager

May 2007 – Dec 2007

- **Project Coordination:** Managed IT projects covering budgeting, scheduling, resource allocation, and client coordination
- **Stakeholder Management:** Maintained communication with clients and internal teams to ensure project alignment

White Flint – Maryland, USA — Administrative Staff

Feb 2006 – Mar 2007

- **Operations Management:** Oversaw logistics and financial administration in wholesale company environment
- **International Experience:** Gained exposure to cross-cultural business practices and global operations

FET Net – Bandung — Network Supervisor

Jun 2004 – Aug 2005

- **Network Operations:** Led technical support and supervised network operations for ISP services
 - **Team Leadership:** Managed technical support team and coordinated marketing strategy initiatives
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EDUCATION

Padjadjaran University – Bandung

- Bachelor of Business Administration, FISIP (Faculty of Social & Political Science) — 2003–2006
 - Diploma in Economics & Business (PAAP), Faculty of Economics — 1998–2002
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CERTIFICATIONS & PROFESSIONAL TRAINING

- **Leadership Fundamentals** – Universitas Padjadjaran
 - **Entrepreneurship Training** – Universitas Padjadjaran
 - **Table Manner & Professional Etiquette Training** – Singapore (2005)
 - **Japanese Language Basic I** – Language Certification
 - **Advanced SQL & Database Administration** – Professional Development
 - **Agile & Scrum Fundamentals** – Methodology Certification
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TECHNICAL SKILLS & TOOLS

Programming Languages: C#, .NET, SQL, T-SQL, PL/SQL, Java, JavaScript

Database Platforms: SQL Server, PostgreSQL, MySQL, Oracle Database

BI & Analytics: Power BI, Tableau, Grafana, Microsoft Excel (Advanced)

Cloud Platforms: AWS (EC2, RDS, S3), Azure (VMs, Databases, DevOps)

Development Tools: Visual Studio, Git, Azure DevOps, JIRA

Emerging Technologies: AI Data Analysis, Business Process Automation, API Integration

ORGANIZATIONAL & COMMUNITY EXPERIENCE

- **Event Coordinator** – OSIS SMU 12 Bandung (Student Leadership)
 - **IT Division Head** – Student Association of PAAP Diploma, Padjadjaran University (Team Leadership & Initiative)
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STRATEGIC ADVANTAGES & UNIQUE VALUE PROPOSITION

Multidisciplinary Expertise: Proficient across software development, data engineering, business analytics, QA, and infrastructure—enabling end-to-end project ownership

Industry Versatility: Proven success across energy (Pertamina), telecommunications (Indosat), and healthcare sectors—adapting solutions to diverse business requirements

Data-Driven Mindset: Strong focus on leveraging data for optimization, performance improvement, and strategic decision-making

Global Perspective: International work exposure (USA) and cross-cultural collaboration experience, strengthening communication and adaptability

Continuous Learning Philosophy: Committed to staying current with emerging technologies (AI, cloud platforms, automation tools) and industry best practices

Full-Cycle Project Ownership: Experience managing projects from conception through delivery, ensuring quality and stakeholder satisfaction

PERSONAL MOTTO

"Never Stop Learning" — Because continuous growth through curiosity, innovation, and adaptation is the foundation of professional excellence and meaningful impact.

ADDITIONAL INFORMATION

Languages: Indonesian (Native), English (Fluent), Japanese (Basic)

Location: Banjar, West Java, Indonesia | Willing to work remotely

Availability: Open to freelance, contract, and full-time opportunities