

# DEDI SEPTIADY SIDAURUK

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A highly motivated Software Engineer with 10+ years of experience in developing scalable and high-performance services and proven leadership in leading cross-functional teams. Skilled in designing RESTful APIs, managing databases, and building microservices architecture using Go, Node.js, and TIBCO BusinessWorks. Passionate about solving complex technical challenges and optimizing system performance.

## PROFESSIONAL EXPERIENCE

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PT Telkom Indonesia, South Jakarta, Indonesia

June 2022 - Present

### **Software Engineer (Digital Talent), Contract**

- Led a team of 6 engineers to manage, maintain, and scale mission-critical backend services supporting high-traffic national platforms.
- Collaborated closely with backend, frontend, QA engineers, product owners, and scrum masters to deliver reliable, high-quality solutions.
- Assessed operational feasibility by analyzing business and technical requirements, identifying system bottlenecks, and proposing scalable solutions.
- Replaced legacy Personal Registration and Corporate Registration for Subsidi Tepat BBM (Pertamina) systems previously managed by external vendors with internally developed platforms.
- Executed smooth migration of critical services (including Korlantas and MPV Console) with minimal operational disruption.
- Optimized MySQL performance by refactoring heavy queries, redesigning database schema, and improving indexing strategies.
- Reduced MySQL resource utilization from 96 vCPU to 64 vCPU, achieving operational cost savings of approximately IDR 10 million per day.
- Strengthened system security by implementing AES-GCM encryption for customer Personally Identifiable Information (PII) across millions of records, replacing insecure plaintext data storage.
- Diagnosed and resolved critical production issues to ensure system stability and service continuity.
- Conducted code reviews to maintain high code quality, consistency, and long-term maintainability.
- Tech Stack : Google Cloud Services, Go Programming, Java Script, Redis, MongoDB, OpenSearch, MySQL, SQL Server, Kafka

PT Bibit Tumbuh Bersama (bibit.id), South Jakarta, Indonesia

August 2021 - June 2022

### **Lead Back End Engineer, Permanent**

- Led a team of 7 engineers to manage and maintain Back Office services.
- Collaborated with other squads, including backend developers, QA engineers, product owners, and third-party vendors.
- Mentored the team during system design and development processes.
- Designed and developed RESTful APIs using Node.js with the Express.js framework.
- Created comprehensive API documentation using Swagger.
- Investigated and resolved technical issues to ensure system stability.
- Enhanced and refactored existing services to improve performance and scalability.
- Reduced response time by 40% through code optimization, and maintained code coverage of existing services to a minimum of 80%.
- Conducted code reviews to ensure code quality and adherence to coding standards.
- Tech Stack : Amazon Web Services, NodeJS, Redis, MongoDB, OpenSearch, MySQL

PT Bibit Tumbuh Bersama (bibit.id), South Jakarta, Indonesia

March 2021 - August 2021

### **Back End Engineer, Permanent**

- Designed, developed, and maintained RESTful APIs using Node.js with the Express.js framework.
- Collaborated closely with Frontend Engineers and Product Managers to deliver new features.
- Created clear and comprehensive API documentation using Swagger.
- Investigated and resolved technical issues to improve system performance.
- Enhanced and refactored existing services for better scalability and maintainability.
- Tech Stack: Amazon Web Services, NodeJS, Redis, MongoDB, OpenSearch, MySQL

PT Integrasi Logistik Cipta Solusi, North Jakarta, Indonesia

September 2018 - April 2021

### **Integration Engineer, Contract**

- Led the integration team to manage and maintain banking services.
- Designed and developed SOA Web Services or REST APIs using Enterprise Service Bus, Node.js, or PHP based on project requirements.
- Created API documentation using Swagger.
- Integrated with third-party systems such as Banking Company and Pelindo II Billing Management System.
- Investigated and resolved technical issues to ensure system stability.
- Enhanced existing services for better performance and scalability.
- Built and maintained log monitoring systems.
- Tech Stack: TIBCO BusinessWorks, TIBCO Enterprise Messaging Service, WSO2, Oracle Database, NodeJS, PHP

PT Integrasi Logistik Cipta Solusi, North Jakarta, Indonesia

March 2018 - September 2018

### **Development Engineer, Contract**

- Developed web-based applications using Node.js, PHP, and CodeIgniter framework.
- Conducted thorough testing and refinement before production rollout.
- Investigated and resolved technical issues to ensure smooth application performance.
- Created comprehensive documentation for development and system architecture.
- Tech Stack: NodeJS, PHP, CodeIgniter Framework, CSS, JQuery, HTML, Oracle Database

PT Prakoso Teknologi Informasi, Central Jakarta, Indonesia

March 2017 - March 2018

### **.NET Developer, Contract**

- Developed a web-based Insurance Broker System using C# and ASP.NET.
- Conducted thorough testing and refinement before production rollout.
- Investigated and resolved technical issues to ensure system stability.
- Performed application testing and debugging.
- Created detailed development documentation.
- Tech Stack: C#, ASP.NET, and SQL Server

PT Anggara Architeam, South Jakarta, Indonesia

March 2014 - March 2017

### **Programmer & SysAdmin, Contract**

- Developed web-based applications using C#, ASP.NET, PHP, jQuery, HTML, CSS, and SQL Server.
- Conducted thorough testing and refinement before production rollout.
- Investigated and resolved technical issues to ensure smooth application performance.
- Managed and monitored all installed systems and infrastructure, including ISP, routers, firewalls (Watchguard XTM33), NAS (Synology), PCs, and other peripherals.
- Maintained security, backup, and redundancy strategies to prevent data loss.
- Installed, configured, tested, and maintained operating systems, application software, and system management tools.

## EDUCATION

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STMIK Mercusuar, Bekasi, Indonesia

2010-2014

**Bachelor Degree of Informatics Engineering | GPA 2.92 / 4.00**

## NON FORMAL EDUCATION

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AWS Cloud Developing, Komdigi Digitalent, Online	April 2024 - June 2024
Google Project Management, Telkom Indonesia & Coursera, Online	October 2023 - December 2023
Alibaba Cloud Computing, Komdigi Digitalent, Online	June 2023 - August 2023
AWS Cloud Foundation, Komdigi Digitalent, Online	March 2023 - April 2023

## CERTIFICATION

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<b>AWS Certified Developer - Associate</b>	2024
Amazon Web Services (AWS)   Credential ID: df3b6de20e5e4e55b597a8e2f744df13	
<i>Issued September 2024 - Expires September 2027</i>	
<b>Google Project Management</b>	2023
Coursera,   Credential ID: G7BZXTNHA4FZ	
<i>Issued December 2023</i>	
<b>AWS Certified Cloud Practitioner</b>	2023
Amazon Web Services (AWS)   Credential ID: FM8G4691X2Q11QWH	
<i>Issued September 2023 - Expires September 2026</i>	
<b>Oracle Cloud Infrastructure Certified Foundations Associate</b>	2023
Oracle   Credential ID: 1003668700CIF2023CA	
<i>Issued September 2023 - Expires September 2025</i>	
<b>Alibaba Cloud Certified Associate - Cloud Computing</b>	2023
Alibaba Cloud   Credential ID: IACA01230700096728L	
<i>Issued July 2023 - Expires July 2025</i>	
<b>TCA - TIBCO® Messaging</b>	2022
TIBCO Software Inc.,   Credential ID : -	
<i>Issued April 2022 - Expires April 2024</i>	

## SKILL

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Soft Skills:

- Leadership, Cross-team Collaboration, Communication, Problem Solving, Critical Thinking, Adaptability

Technical Skills:

- Programming Languages: Go, C#, ASP.NET, PHP, JavaScript, Node.js, HTML, CSS
- Database Management: MySQL, MongoDB, Oracle, Redis, SQL Server, OpenSearch
- Cloud Platforms: Amazon Web Services (AWS), Google Cloud Platform (GCP), Alibaba Cloud
- Integration & Messaging: TIBCO BusinessWorks, TIBCO Enterprise Messaging Service, WSO2, Kafka
- DevOps & CI/CD: Docker, Kubernetes, Jenkins
- API Documentation: Swagger, Postman
- Monitoring & Logging: Grafana, ELK Stack