

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

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

STMIK Mercusuar, Bekasi, Indonesia

2010-2014

Bachelor Degree of Informatics Engineering | GPA 2.92 / 4.00

NON FORMAL EDUCATION

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

AWS Certified Developer - Associate

2024

Amazon Web Services (AWS) | Credential ID: df3b6de20e5e4e55b597a8e2f744df13

Issued September 2024 - Expires September 2027

Google Project Management

2023

Coursera, | Credential ID: G7BZXTNHA4FZ

Issued December 2023

AWS Certified Cloud Practitioner

2023

Amazon Web Services (AWS) | Credential ID: FM8G4691X2Q11QWH

Issued September 2023 - Expires September 2026

Oracle Cloud Infrastructure Certified Foundations Associate

2023

Oracle | Credential ID: 100366870OCIF2023CA

Issued September 2023 - Expires September 2025

Alibaba Cloud Certified Associate - Cloud Computing

2023

Alibaba Cloud | Credential ID: IACA01230700096728L

Issued July 2023 - Expires July 2025

TCA - TIBCO® Messaging

2022

TIBCO Software Inc., | Credential ID : -

Issued April 2022 - Expires April 2024

SKILL

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