

# BUDI SANTOSO

## PROFESSIONAL SUMMARY

Highly motivated Informatics Engineering student (GPA 4.00/4.00) with extensive experience in full-stack web development, data analysis, and machine learning. Proven track record of leading technical teams, developing scalable applications, and delivering innovative solutions. Passionate about leveraging technology to solve real-world problems and creating meaningful impact in the tech industry.

## EDUCATION

### Universitas Indonesia

Bachelor's Degree, Informatics Engineering

GPA 4.00 / 4.00

Sep 2023 – Dec 2026

### SMA Negeri 8 Jakarta

High School Diploma, Science Major

GPA 95.5 / 100

Jul 2020 – Jun 2023

## WORK EXPERIENCE

### Full Stack Developer | Amazon Web Services

- Developing responsive and SEO-optimized React.js websites serving 100K+ monthly users
- Architected scalable microservices using Node.js and Express.js with 99.9% uptime
- Implemented RESTful APIs handling 1M+ requests daily with optimized database queries
- Led team of 5 developers in migrating legacy systems to modern cloud infrastructure
- Reduced page load time by 60% through code optimization and lazy loading techniques

Nov 2025 – Present

### Software Engineering Intern | Tokopedia

- Developed real-time notification system using WebSocket and Redis
- Implemented automated testing with Jest and Cypress improving code coverage to 85%
- Collaborated with product team to deliver 10+ features in agile sprints
- Optimized SQL queries reducing database response time by 40%

Jun 2025 – Oct 2025

### Backend Developer Intern | Gojek Indonesia

- Built payment gateway integration with multiple providers (Midtrans, Xendit)
- Developed admin dashboard using React and Material-UI
- Implemented caching strategies with Redis improving API response time by 50%
- Participated in code reviews and contributed to team documentation

Jan 2025 – May 2025

## ORGANIZATIONAL EXPERIENCE

### Head of Technology Division | HIMTI Fasilkom UI

- Leading team of 20+ members in developing faculty website and internal systems
- Organizing 5+ technical workshops and bootcamps with 500+ total participants
- Managing technical infrastructure for university events with 1000+ attendees
- Mentoring junior students in web development and software engineering

Jan 2025 – Present

### Software Engineer | Google Developer Student Clubs UI

- Conducted weekly coding sessions teaching React.js and Node.js fundamentals
- Organized hackathon event with 200+ participants and 50+ project submissions
- Built community platform connecting 500+ students with tech opportunities

Aug 2024 – Dec 2024

## PROJECTS

### E-Commerce Platform with AI Recommendations | React.js, Node.js, MongoDB, TensorFlow, Docker

- Built full-stack e-commerce platform with machine learning product recommendations
- Implemented secure payment gateway and inventory management system
- Achieved 95% customer satisfaction through personalized shopping experience
- Deployed using Docker and AWS with auto-scaling capabilities

Nov 2025 – Dec 2025

### Real-Time Collaborative Code Editor | Next.js, WebSocket, MongoDB, Redis

- Developed real-time collaborative coding platform supporting 100+ concurrent users
- Implemented syntax highlighting for 20+ programming languages

Aug 2025 – Oct 2025

- Added live chat and video call features using WebRTC
- Won 1st place at University Hackathon Competition 2025

**Data Analytics Dashboard** | Python, Django, PostgreSQL, Chart.js, Pandas

*May 2025 – Jul 2025*

- Created interactive dashboard visualizing sales data for 10+ business clients
- Implemented automated reporting system sending daily insights via email
- Processed and analyzed 1M+ records with optimized data pipelines
- Reduced manual reporting effort by 80% through automation

## **SKILLS & CERTIFICATIONS**

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- **Hard Skill:** JavaScript (React.js, Node.js, Express.js, Next.js), Python (Django, Flask, FastAPI, Pandas, NumPy), Database (MongoDB, PostgreSQL, MySQL, Redis), DevOps (Docker, AWS, GCP, CI/CD, Git), Machine Learning (TensorFlow, Scikit-learn), Web Technologies (HTML5, CSS3, Tailwind, Bootstrap), Testing (Jest, Pytest, Cypress, Selenium), API Development (REST, GraphQL, WebSocket).
- **Soft Skill:** Team Leadership & Management, Agile & Scrum Methodologies, Problem Solving & Critical Thinking, Communication & Presentation, Project Management, Time Management & Prioritization, Adaptability & Quick Learning, Attention to Detail.
- **Certifications:** AWS Certified Developer Associate (2025), Google Cloud Professional Developer (2025), Meta Front-End Developer Professional Certificate (2024), MongoDB Certified Developer Associate (2024), React.js Advanced Certification - freeCodeCamp (2024), Python for Data Science - IBM (2024).
- **Language:** Indonesian (Native), English (Professional Working Proficiency), Mandarin (Elementary).