Dedy Bayu Setiawan

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Summary

I am an undergraduate student at Politeknik Negeri Malang, majoring in Information Technology, with a strong interest in Cyber Security, Network Administration, and Software Development. I have hands-on experience in developing applications using Laravel and Flutter, as well as expertise in computer network management and security using Cisco and MikroTik technologies. I was awarded 2nd Place in the IT Network System Administration (ITNSA) Competition at the Banyuwangi Regency level and represented the region at the Provincial Level of East Java, achievements that strengthened my skills in system analysis, problem-solving, and team collaboration. I continue to develop my technical competencies through academic study and independent projects, with the goal of contributing to the security and efficiency of information technology infrastructures in professional environments.

Skills

Software Development

- Laravel Framework (MVC, Eloquent ORM, Blade, API)
- Flutter & Dart (UI/UX, State Management, REST API)
- MySQL, SQL Server, MongoDB, dan PostgreSQL
- RESTful API Integration & JSON Parsing
- Version Control (Git & GitHub)
- UI Design with Tailwind CSS & Bootstrap

Network Administration

- Cisco Packet Tracer Configuration (Routing, Switching, VLAN)
- Network Security & Troubleshooting
- IP Addressing, Subnetting, DHCP, DNS, NAT
- Mikrotik Configuration (Routing, Hotspot, Firewall, Bandwidth Management)
- Linux Server Administration (Ubuntu Server, Apache, Nginx, Bind9, FTP, IPTables)

Experience

Fullstack Developer – *Proyek Sistem Pencatatan Prestasi Mahasiswa*   2025

- Developed a Laravel-based system for recording and validating student achievements, including competition participant recommendations.
- Implemented TOPSIS, SAW, and PSI decision support methods for recommendation features.
- Optimized CRUD operations using AJAX and DataTables for better performance.
- Designed technical documentation and database structures in MySQL.

Flutter Developer – *Aplikasi Layanan Warga*   2025

- Built dashboard and activity report features using Flutter.
- Implemented GoRouter navigation and Drawer Sidebar for the main layout.
- Integrated the app with a Laravel REST API backend.

2nd Place – ITNSA Competition (District Level)   Banyuwangi Regency | 2023

- Competed in the field of IT Network System Administration (ITNSA).
- Performed network configuration, troubleshooting, and network security implementation.
- Developed analytical and problem-solving skills under time pressure.

Regional Representative – ITNSA Competition (Provincial Level)   East Java Province | 2023

- Represented Banyuwangi Regency at the provincial-level ITNSA competition.
- Solved case studies related to network administration and security following industry standards.
- Enhanced teamwork and communication skills in a high-stakes competition environment.

Education

Information Technology (Undergraduate) Polytechnic State of Malang | Malang, Indonesia   08/2023 –

07/2027 (Expected)

- **Key Achievements**: Participant in Hology 7 CTF 2024, KMIPN Cyber Security 2025

Teknik Komputer dan Jaringan SMK Negeri Glagah | Banyuwangi, Indonesia   08/2020 – 06/2023

- **Key Achievements:** 2nd Place in LKS ITNSA Banyuwangi Regency, Participant in LKS ITNSA East Java Province

Certifications & Licenses

- **LSP IT Network System Administrator** – BNSP
- **Junior Web Developer** – BNSP
- **MikroTik Certified Network Associate (MTCNA)** – MikroTik
- **Surat Pencatatan Ciptaan**, PresApp: *Sistem Informasi Pencatatan Prestasi Mahasiswa dan Rekomendasi Peserta Lomba Menggunakan Metode TOPSIS, SAW, dan PSI.*
(Registration No. 000930684000930684 – *Kemenkumham RI* (2025)

Languages

- Indonesia (Native)
- English (Intermediate)