# BRAMAN TYAMAHENDRAWAN

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## Work Experiences

**Politeknik Negeri Malang PSDKU Lumajang** - Lumajang, Jawa TImur                     Jun 2025 - Aug 2025

*Server Administrator*

- Installed and configured Dell PowerEdge servers and LAN/WAN networks, maintaining optimal performance and 99% uptime reliability
- Managed Proxmox Virtual Environment hosting 10+ Virtual Machines (VMs) to support system development, testing, and deployment workflows.
- Configured public and private IPs, IP tables, and network routing to improve server security and data communication efficiency, reducing network latency by 20% and minimizing access issues.
- Deployed and monitored applications across VMs with optimized resource allocation and network tuning for consistent, high-speed performance.

**SMK Negeri Rowokangkung** - Lumajang, Jawa TImur                     Jan 2025 - Jun 2025

*Fullstack Developer*

- Developed a Computer Assisted Test (CAT) web application using React.js (frontend) and Java Spring Boot (backend), utilized by 100+ users.
- Implemented Big Data technologies with Apache Hadoop and HBase for real-time exam data analysis, improving processing efficiency by 40%.
- Configured and managed the Big Data environment, including Hadoop cluster setup, HBase integration, and system performance optimization.
- Designed an automated question bank system based on categories and difficulty levels, accelerating teacher evaluation processes by 50%.
- Developed a Cheating Detection feature to identify suspicious activities (e.g., exiting fullscreen, right-click, inspect element, tab switching), enhancing exam integrity by 95%.

**Dinas Ketahanan Pangan dan Pertanian (DKPP)** - Lumajang, Jawa TImur                     Nov 2024 - Jan 2025

*Developer*

- Developed the Lumajang Regency Livestock Management System using React.js and Spring Boot, integrated with Big Data technologies (Apache Hadoop & HBase).
- Implemented JWT Authentication for system security and developed a Flutter-based mobile application using the same data architecture.
- Integrated OpenStreetMap to display thousands of livestock facility locations interactively across Lumajang Regency.
- Managed and processed over 1 million livestock data records (farmers, animals, barns, vaccinations, and births), improving field data search speed by 40%.
- Built real-time data synchronization across entities to ensure database consistency and accuracy.

**PT Industri Kereta Api (Persero)** - Madiun, Jawa Timur                     Feb 2024 - Jun 2024

*Information Technology Intern*

- Developed the Employee Information System (IMS Access) for PT INKA Multi Solusi, a subsidiary of PT Industri Kereta Api (Persero).
- Designed and implemented the UI/UX for the disposition feature using Nuxt.js, creating a modern and responsive interface.
- Improved PDF rendering performance within dialog components by converting API data flow to blob format, increasing document speed and security by 50%.
- Conducted Quality Assurance (QA) testing to ensure feature stability and system functionality.
- Collaborated with backend and UI/UX teams through regular meetings and sprint reviews to maintain development efficiency.

## Education Level

**Politeknik Negeri Malang** ✓ - Malang, Jawa Timur                     Aug 2021 - Jul 2025

*Bachelor of Informatics Engineering, 3.74/4.00*

- Graduated Cum Laude (GPA 3.74) after completing 146 credits in the Bachelor of Applied Informatics Engineering program.
- Led a 5-member team as Project Manager, IT Lead, and QA Engineer in developing an integrated tourism ticketing system with Midtrans API integration.
- Completed the Mobile Developer training program by Digital Talent x Politeknik Negeri Malang, focusing on Flutter-based application development.
- Participated in the MSIB Batch 6 Internship Program and Matching Fund collaboration with the Lumajang Government.

## Organisational Experience

**Workshop Riset Informatika (WRI)**                                      Oct 2021 - Jan 2024
*Member*
- Participated in WRI OpenTalk17, contributing to discussions and development workshops
- Enhanced technical presentation skills through regular research presentations
- Contributed to academic discussions on emerging technologies and software development trends

**Google Developer Student Club (GDSC)**                                  Nov 2021 - Jan 2024
*Member*
- Actively participated in discussion forums focused on Artificial Intelligence (AI) problem-solving and innovation.
- Attended Google Developer workshops and technical training sessions to enhance practical development skills.
- Collaborated with fellow developers on innovative projects utilizing Google technologies.

## Certification, Course & Skills

- **Certificate** ⊘ (2025): Network Engineer Specialty - Alibaba Cloud
- **Certificate** ⊘ (2025): Computer Software Programming - Badan Nasional Sertifikasi Profesi (BNSP)
- **Certificate** ⊘ (2024): Google IT Support - Google Professional Certificate
- **Certificate** ⊘ (2023): DevOps Engineer Specialty - Alibaba Cloud
- **Certificate** ⊘ (2023): Big Data Analysis Specialty - Alibaba Cloud
- **Course** ⊘ (2024): IT Support - Digital Talent Scholarship 2024
- **Course** ⊘ (2023): DBS Foundation Coding Camp
- **Course** ⊘ (2022): IDCamp Indosat Ooredo Hutchison
- **Soft Skills**: Problem Solving, Leadership, Teamwork, Communication, Critical Thinking, Creativity, Quick Learning, Adaptability, Time Management, Collaboration
- **Hard Skills**: Full Stack Development, Mobile App Development, Big Data, Cloud Computing, DevOps, Database Design, UI/UX Design, Machine Learning, Software Testing, Version Control (Git)
- **Technical Skills**: JavaScript, React.js, Vue.js, Nuxt, Tailwind CSS, Node.js, Laravel, Spring Boot, Java, PHP, Python, Dart, Flutter, MySQL, PostgreSQL, MongoDB, Firebase, HBase, Hadoop, Power BI, Jira, Kanban, Linux Server