

# Penggalang Nur Akrom

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## EXPERIENCE

### Freelance Web Developer

January 2025 - Current

#### *Spatial Planning Report Management System (BMCKTR West Sumatra)*

February - July 2025

- Responsible for redeveloping the spatial violation reporting system for West Sumatra Province in collaboration with a regional spatial planning expert and stakeholders
- Led phased and iterative development, allowing continuous optimization and refinement of key features based on stakeholder feedback and evolving needs
- Enhanced the public reporting flow by introducing open-access report visibility, enabling anyone to track submission statuses and case handling history
- Improved the reporting process into a more seamless and structured workflow, aligned with relevant spatial regulations and administrative protocols
- Focused on effective data presentation, ensuring information remains clear, informative, and digestible without overwhelming the public audience
- Built an interactive map using Leaflet to display report locations and their details, along with supporting real-time visual data in charts and graphs
- Redesigned the system architecture to include multi-role administrative access, allowing efficient distribution and follow-up of reports handling across city/regency-level authorities
- Contributed to the handover process to the local government (Department of Communication and Informatics), including technical documentation, Docker container setup, and coordination to ensure smooth deployment to production

**Tools:** Figma, Google Workspace, GitHub

**Tech Stack:** Next.js, TypeScript, Node.js, Prisma

**Deployment & Infrastructure:** Docker, Nginx, Minio

#### *Akusara Es Kristal Company Website*

January 2025

- Built the company website end-to-end, covering ideation, interface design, and technical development
- Communicated directly with the client to ensure alignment between business objectives and visual presentation
- Implemented a user-friendly content structure tailored to the client's needs and target market behaviour
- Collaborated with a copywriter to craft informative and engaging website content

**Tools:** Vercel, Github, Figma, Google Docs

**Tech Stack:** Next.js

### Tjakra Studio

February 2021 - March 2024

#### *UX Researcher – Bisnis Film Indonesia (BFI) Website Project*

- Translated stakeholder objectives into structured information architecture and website-specific content requirements
- Analyzed industry interview insights to identify user needs from multiple sectoral perspectives (e.g., investors, academics, technical professionals)
- Conducted benchmarking on similar platforms to discover interaction patterns and design development opportunities
- Provided recommendations on key content and features relevant to the website's purpose and target audience
- Designed information structure and sitemap based on user needs and data exploration flow
- Created low-fidelity wireframes as the initial blueprint for UI design and collaborated with UI designers to produce the final visual assets
- Developed interactive UI prototypes based on final designs to support effective handoff and communication with the web development team

**Tools:** Figma, Google Sheets, Google Slides, Trello, Google Docs, Elementor (Wordpress)

**Tech Stack:** HTML, CSS & JavaScript

#### *Project Manager – Akiva Social Media Rebranding Project*

- Planned and managed the full project lifecycle, including timeline, deliverables, and team workflow
- Ensured successful execution of the rebranding strategy from visual concept to launch
- Acted as the main liaison between the client and design team to maintain clear communication and aligned expectations
- Conducted regular progress monitoring and weekly coordination meetings to keep the project on schedule
- Assisted in drafting design briefs and brand guidelines based on discussions with the client
- Compiled progress reports for the client as part of transparent documentation and accountability
- Managed feedback and revision cycles, translating client input into structured tasks for the design team

**Tools:** Notion, Google Sheets, Google Docs

#### *Programmer*

- Developed and maintained Tjakra Studio's official website, including content structure, conduct UX research, and UI Design implementation to represent the company's identity online
- Created website prototypes for internal needs and external projects where Tjakra served as the UI/UX partner, such as the Bisnis Film Indonesia (BFI) project
- Collaborated with the stakeholders to translate research insights and business requirements to making business decision

**Tech Stack:** Next.js, Node.js, EJS, Tailwind, React, PostgreSQL, Elementor (Wordpress), Python

### Freelance Web Developer

June 2022 - July 2022

#### *New Student Admission Website – Khoiru Ummah School, Karang Tengah, Tangerang*

- Helping designed the overall system architecture and developed a user-friendly interface to ensure clear navigation for visitors
- Ensured that key information requested by stakeholders was effectively delivered and easily accessible
- Built an administrative dashboard to manage applicant data, allowing the school to review registrations and update admission statuses
- Focused on usability and clarity to create an intuitive experience for both prospective students and school administrators

**Tech Stack:** PHP, Bootstrap, MySQL

### PN MEDIA

June 2019 - April 2022

#### *Content Creative, Copywriter, Web Developer*

- Played a role in the early development of PN Media, a digital platform covering pop culture topics such as film, games, and later focusing deeply on Japanese pop culture (anime, manga)
- Created engaging and thoughtful content including long-form reviews, opinion pieces, and infographic-style posts, helping shape the platform's unique narrative voice
- Led the shift in content strategy by tying anime discussions to real-world social issues, significantly increasing engagement and follower growth, including recognition from notable figures and content creators
- Collaborated with OtakuBox, a prominent podcast in the Japanese pop culture scene, for co-produced content and social media partnerships
- Developed PN Media's profile website to serve as a centralized hub for branding, and platform presence

**Tools:** Google Workspace, Figma

**Tech Stack:** Node.js, EJS, SCSS

### Ministry of Education and Culture (DAPODIK Division)

February 2017 - May 2017

#### *IT Support Intern*

- Performed data entry and verification using Microsoft Excel to support the national education data system within the division
- Assisted with troubleshooting hardware issues, including desktop computers and printers
- Created internal visual design (e.g., posters and banners) for communication and informational purposes
- Handled distribution of official letters and documents between departments within the Ministry

**Tools:** Microsoft Excel, Adobe Illustrator

## EDUCATION

### UNIVERSITY OF SATYA NEGARA INDONESIA

#### *Bachelor's Degree in Computer Science*

September 2018 - September 2024

- Studied algorithms and data structures to strengthen programming logic and problem-solving skills
- Learned web development using HTML, CSS, JavaScript, and PHP, applying CRUD operations to replicate academic information systems
- Studied theories of Machine Learning and Artificial Intelligence, with practical implementation including a content-based filtering in a movie recommendation system using K-Nearest Neighbor (KNN) and a sentiment analysis project using Support Vector Machine (SVM) in Python, which culminated in a personal thesis titled "Sentiment Analysis of the 2024 Presidential Election Using SVM on Social Media Platform X"
- Gained knowledge of software project management, covering planning, scheduling, team coordination, and internal audits
- Understood the fundamentals of relational databases, including ERD design and normalization for system development
- Actively engaged in campus tech communities to exchange technical knowledge and develop soft skills such as communication, teamwork, and technical presentation

## SKILLS

#### **Frontend Development:**

- HTML, CSS, JavaScript
- Next.js, React, TypeScript
- Tailwind, Bootstrap
- UI Responsiveness, Component Reusability, API Integration

#### **Backend Development:**

- Node.js, Express.js, TypeScript
- MySQL, PostgreSQL, MongoDB
- Prisma, Sequelize, Mongoose
- REST API Design & Integration
- Docker (Compose), Nginx

#### **Other Technical Skills:**

- Tools & Deployment: GitHub, Postman, Vercel, Docker, Cpanel, NodeMailer
- Python: Django (website development), Machine Learning & Data Science Basics
- PHP Basics
- Comfortable with CLI/Terminal

#### **Tools & Collaboration:**

- Google Workspace, Microsoft Office
- Figma
- Notion, Trello, Miro

#### **Languages:**

- Bahasa Indonesia (Native)
- English (Professional – spoken & written)

#### **Soft Skills:**

- Experienced in planning work schedules, setting priorities, and coordinating cross-functional roles or division to ensure smooth and timely project execution
- Strong result-oriented mindset while maintaining high standards of quality
- Comfortable working in fast-paced environments, iterative workflows using agile methodology, including active participation in team discussions, adapting to evolving requirements, and supporting continuous evaluation
- Skilled in identifying root causes of problems, analyzing both technical and functional challenges, and formulating efficient and practical solutions in various work contexts
- Capable of translating stakeholder objectives into well-structured plan, roadmaps, or technical specifications aligned with user needs and system limitations
- Had experience acting as a liasion between technical and non-technical teams, effectively translating client needs and ensuring clear communication throughout the development or execution process

#### **Certifications:**

- Junior Web Developer** – BNSP (Badan Nasional Sertifikasi Profesi), 2024
- JavaScript: Understanding the Weird Parts** – Udemy, 2022
- Advanced CSS and Sass: Flexbox, Grid, Animations and More!** – Udemy, 2021
- Belajar Dasar Visualisasi Data** – Dicoding, 2021