

Name	: Adi Nugraha
Current Position	: Software Engineer (Fullstack Developer)
Address	: Pamulang, Tangerang Selatan, Banten, 15417
Phone	: +628788628478
Email	: adinugraha.ista@yahoo.com
Last Education	: Bachelor Degree in Geological Engineer
Site	: <a href="https://ngrhadi.web.id">https://ngrhadi.web.id</a>
GitHub	: <a href="https://github.com/ngrhadi">https://github.com/ngrhadi</a>
LinkedIn	: <a href="https://www.linkedin.com/in/ngrhadi13/">https://www.linkedin.com/in/ngrhadi13/</a>
ResearchGate	: <a href="https://www.researchgate.net/profile/Adi-Nugraha-6">https://www.researchgate.net/profile/Adi-Nugraha-6</a>



**Summary** : GIS enthusiast and programmer with 5 years of experience in full-stack development and geospatial technologies. Skilled in JavaScript, TypeScript, React, Node.js, Python, and PostGIS, with expertise in GIS applications, web development, and API integration. Earned a Geological Engineering degree from Univ. AKPRIND in 2018.

**Experience** :

1. Software Engineer (Fullstack Programmer) – [IMP Studio](#) (May 2023 – Present)
  - Developed and maintained web applications using Next.js, Laravel, Nest.js, Node.js, Django, Nuxt.js and PostgreSQL
  - Optimized backend performance, reducing API response, upgrade feature, security single sign-on.
  - Collaborated with QA, UI/UX, DevOps and Head Manager
2. Fullstack Programmer – [Entrust Digital x Bank BRI](#) (Aug 2022 – Feb 2023)
  - Built secure web loan administration for BRI using Next.js, Express.js, and MySQL.
  - Integrating multiple applications include payment gateway
  - Developed authentication systems with OAuth 2.0 and JWT for enhanced security
3. GIS Programmer – [Strato Solutions](#) (Aug 2021 – Jun 2022)
  - Developed GIS applications with OpenLayers.js, PostGIS, Node.js and React
  - Automated spatial data processing, reducing manual work by 50%
  - Created interactive web maps for government projects, improving data visualization.
  - Built geospatial analysis tools for validation, correction and visualisation
5. Freelance GIS - Fullstack Programmer – [Upwork](#) (2020 – present)
  - Developed custom GIS applications using Mapbox, Openlayers, Google Maps, Leaflet, PostGIS, Supabase and Python. Also build full-stack web solutions with React, Next.js, Django, Node.js, Express.js, and PostgreSQL.
  - Developed interactive data visualization tools to enhance geospatial analysis and decision-making.
  - Integrated APIs and third-party services for real-time data visualization.
  - Collaborated with clients worldwide to deliver tailored GIS and web development solutions.
4. Geologist – Geotechnical Engineer (2018 – 2021)
 

Worked in the geological sector, specializing in surveying, mapping, structural geology analysis, and geotechnical assessments. Contributed to dam construction projects, road landslide mitigation, and geospatial data visualization. Experienced in conducting field surveys, analysing geological structures, and interpreting geotechnical data for infrastructure development and risk assessment

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**Keys Project / Portfolio :**

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1. <https://idn-guessr.com/> (Personal Project) – (2024 – Present)
    - Fullstack app with django, htmx, mapbox, alpine.js
    - Application for management spatial data with survey and games
    - Multiple schema user authorization by module

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  2. <https://tiles.idn-guessr.com/> (Personal Project) – (2024 – Present)
    - Tile server and maintained with Martin and Nginx using Docker for deployment
    - Integrated custom schema Api (for search by type administration)
    - Auto refresh with crone to handle updated data

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  3. <https://investolink.kemlu.go.id/> (IMP Studio) – (2024 – 2025)
    - Nuxt.js as framework with Vue.js
    - Redesign app and update feature
    - Application for documented investment collaboration with Ministry of Foreign Affairs (KEMLU)

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  3. <https://iw.impstudio.co.id/> (IMP Studio) – (2023 – Present)
    - Fullstack app Laravel
    - Maintain, developed and improved of feature
    - Application for student-teacher assessment collaboration with Religion Government Indonesia (KEMENAG)

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  4. <https://pmp.kemenag.go.id/> (IMP Studio) – (2023 – 2024)
    - Next.js + Node.js Application
    - Multiple app with Single Sing On (SSO)
    - Application for complect management organization

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  5. <https://dp3a.bekasikab.go.id/> (IMP Studio) – (2023)
    - Caddy + HTMX and Strapi
    - CMS for management content for government organization

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  6. <https://imunitasi-logistik.kemkes.go.id/> (IMP Studio) – (2023)
    - Next.js with Hono.js + Clickhouse
    - Application for inventory vaccine management

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  7. <https://sibertren.com/> (IMP Studio) – (2023)
    - Django, Postgres (with Citusdata)
    - Application for student of boarding school management

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  8. Carbon eXchange Rakyat (CXR), (BRI) – (2022)
    - Next.js with Node.js Application
    - Create for prototype product to achieve proposal submission

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  9. Delima, (BRI) – (2021-2022)
    - Next.js with Node.js Application
    - Application for loan business administration

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  10. Digitizing App, (Strato Solutions) – (2021-2022)
    - React.js with Node.js and Postgres with focus on Postgis
    - Optimization, update, validation and visualisation data vector

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  11. Upwork project are listed by clicking on [here](#) and for unlisted personal project you can check on [here](#)
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**Course & Certificate :**

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1. [Training in Basic and Thematic Google Earth Engine - Case : Deforestation and Air Pollution](#) - Geoaccess Indonesia (Jan 2024)  
*ID: 0840.P/Geoaccess/I/2024*

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  2. [Modern React with Redux](#) – Udemi (March 2022)  
*ID: UC-f5426760-8f25-493c-9556-e5dc518cc135*

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  3. Ahli Geoteknik – Muda - Lembaga Pengembangan Jasa Konstruksi (Apr 2020)  
*ID: 1.2.216.3.148.04.1952783*
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