

# Brilian Natanael Zega

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## EDUCATION

**Bandung Institute of Technology** | Bandung, Indonesia

B.Sc. *Geophysical Engineering* (August 2017 – January 2022)

- **Grade:** 3.02/4.00
- Supervised by Dr. Ir. Zulfakriza

## WORK EXPERIENCES

**Geonet.me** | Melbourne, Australia

*Software Engineer* (Sept 2023 – **Present**)

- Develop and design software components for marketing, properties, and squaremetre apps.
- Architect and implement 20+ versatile page builder for website sections and elements.
- Create APIs to integrate databases and execute code deployment.
- Collaborate with the team to discuss, evaluate, and enhance project progress.
- Apply AI techniques for search bot and chat bot functionalities.

**Jatis Mobile** | Jakarta, Indonesia

*System Integration Testing – Middle Officer* (Jan 2023 – Aug 2023)

- Participated in requirement review processes to discuss architectural flows and client perspectives.
- Deployed applications to staging servers for validation against given requirement criteria.
- Conducted API testing and database query checks and executed performance testing using JMeter by injecting large data sets.
- Involved in 2 products related to payment products on Web and Mobile Applications.
- Developed and executed the automation testing using Java Selenium related to e2e product test.
- Documented and reported test results, logging defects, and provided clear and concise bug reports to developers and users.

**Bank Central Asia (BCA)** | Jakarta, Indonesia

*Quality Assurance Analyst* (June 2022 – Dec 2022)

- Designing a Manual and Automation Test to validate custom software products and determine product quality readiness.
- Involved in 5 SCRUM teams to discuss the requirements, test plan, test execution, and implementations.
- Created a simple and accurate scenario planning so can be easy to reuse related to Web Applications and Query Database.
- Managed the Testing Factory to execute the plans appropriately and reviewed the test results to ensure feasibility.

**Quorum Nusa Prestasi** | Jakarta, Indonesia

*Frontend Developer* (Mar 2022 – June 2022)

- Participated in developing and creating 3 functional features of QNP applications product.
- Collaborated with backend to integrate the API into web application.
- Implemented the enhancements that improved web functionality and responsiveness.
- 1-month project for helping QNP client (**JobTech** | Singapore) to build DBS Web.

# PROJECT EXPERIENCES

**Freelancer** | Bandung, Indonesia

*Software Engineer* (Dec 2022 – Oct 2023)

- Created web landing page and dashboard using NextJs based on the user design and requirements.
- Developed and executed the e2e and component automation testing using Cypress Typescript (Angular and React).
- Tested the application services (SIT) such as APIs test, database migrations, and performance test using Postman and JMeter.

**Braga Technology** | Bandung, Indonesia

*Frontend Engineer* (Mei 2022 – June 2022)

- Participated in creating 2 government websites.
- Collaborated with UI/UX and backend team to slicing the mockup and integrate the API.

**Hoomix** | Bandung, Indonesia

*Frontend Developer* (Feb 2022 – April 2022)

- Determined the structure and designed the Hoomix dashboard (Shopify) to solve problem points of clients.
- Collaborated with UI/UX and back-end developers to maintain the design system.
- Performed unit testing and functional testing.

## ORGANIZATION

*Senator* | **HIMA TG “TERRA” ITB** (Jan 2020 – Dec 2020)

- Informed, Voiced, and Established the important issues to members.
- Made 3 infographic videos and posters for members to understand easily.
- Managed and encouraged staffs to perform their respective responsibilities.

## COURSES

*Web Development Course 2022* | OnlyKiosk Tech (Feb 2022 – April 2022)

- Improved web development skills through creating front/back-end APPs.
- Mastered in web developer tools and image-processing skills.

*The Data Science Course 2022* | 365 Careers (Jan 2022 – Mar 2022)

- Understood the data science field behind machine learning.
- Applied statistical and programming language techniques to visualize data.

## PUBLICATIONS

*Publication* | International Seminar on Earth Science and Technology (Dec 2021)

- Published in International of Physics Journal (IOP) [pdf \(iop.org\)](https://iop.org)

## SKILLS

- **Tools:** Git, SVN, Figma, Postman, DBeaver, FileZilla, SSH
- Database tools: MySQL, Postgresql, Mongo
- **Front-end Skills:** JavaScript/TypeScrip, NextJs (bootstrap, tailwindcss)
- **QA Skills:** Java Selenium, Cypress (e2e, Component testing)
- **Agile tools:** JIRA, Trello