
MUHAMAD DANANG PRIAMBODO

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github.com/mcdanang codepen.io/mcdanang



Engineer x Fullstack Web Developer

Summary

My name is Muhamad Danang Priambodo, a graduate of Institut Teknologi Bandung, majoring in mechanical engineering. I'm an open-minded unicorn who excels in learning new things & a highly motivated person who is interested in engineering, design, project management, and programming. I'm an adventurous, initiative, an open-minded, and deep-thinking person with a great ability to lead a team.

For the past year, I've learned software and web development including HTML, CSS, Javascript, Python, React, NodeJS, and some databases (MySQL, PostgreSQL, & MongoDB). I also have my own digital business that provides services to create digital invitations for weddings. Lately, I've been learning a lot about project management and programming since I realized I have an interest in developing my own project and product, especially in digital technology. Until now I'm still actively taking online courses about web design and software development.

Check out my front-end portfolio at <https://codepen.io/mcdanang> and my back-end portfolio at <https://github.com/mcdanang>

Work Experiences

Jul 2021 - Now

Web Design Freelance

teman-sejati.com

teman-sejati.com is a digital business that provides services to create a web-based digital invitation for weddings. The site is developed using WordPress with customized HTML, CSS, and Javascript.

Check my latest design: <https://teman-sejati.com/dina-faiz/>

Sep 2021 - Jan 2023

Mechanical Engineer

PT. 3RAS Engineering - South Jakarta, Special Capital Region of Jakarta

Role Description:

- Design Belt Conveyor and other material handling systems as per standard and client requirements.
- Prepare engineering & construction documents such as equipment list, datasheet, loading data, rigging plan, etc.
- Develop business flow process (engineering & project management team) for standardization within the company.

Jun 2019 - Jul 2021

Piping Design Engineer

PT. Rekayasa Industri - South Jakarta, Special Capital Region of Jakarta

Project Description : Refinery Development Master Plan (RDMP) RU V Balikpapan
Owner : PT Pertamina (Persero)

Role Description:

- To assist piping lead area and lead engineer for piping design starting from plot plan, basic routing design, then continue for detail routing in 3D software.
- Prepare engineering drawing/document and communicate it to the client for approval.
- Interface with other disciplines for final piping design.
- Prepare calculation for other disciplines such as piping loading data.

Oct 2018 - Apr 2019

Research and Development Officer

PT. Garuda Metalindo, Tbk – North Jakarta, Special Capital Region of Jakarta

Conduct research related to product, process, and equipment in the production process including stress analysis, tool life prediction, and mechanical design. One of the research is about limitation in product and dies dimension in the metal drawing, extrusion, and rolling processes using stress analysis. Problem-solving using analytical approach and numerical simulations to predict stress, strain, temperature distribution or even lifetime of the tools. Designing an automatic dipping and product-positioning machine.

Accomplishments:

- Increase productivity and reduce manpower cost by designing an automatic product-positioning machine.
- Reduce trial cost by providing prediction, estimation, analysis and knowledge that used for process changing decisions.

Skill

Programming

- HTML & CSS
- JavaScript
- React JS
- NodeJS
- ExpressJS
- Git & Bash
- Redux
- Redis
- SQL (MySQL & PostgreSQL)
- NoSQL (MongoDB)
- Python (Basic)

Applications

- Microsoft Word
- Excel
- PowerPoint
- VS Code
- Github
- MySQL Workbench
- Postman
- Docker

Languages

- Bahasa (Native)
- English (Proficient)

Education

Jan 2023 - now

Full Stack Web Development Student

Purwadhika | Digital Technology School

A full-stack web development course using Javascript as its core language to build front-end to back-end applications. Front-end development is done by learning basic HTML, CSS, and JavaScript, while also learning front-end frameworks/libraries such as ReactJS, Bootstrap, Chakra, and many other libraries from NPM. Back-end development is done by learning NodeJS as a runtime built for JS to run outside the browser, with the help of other libraries/frameworks such as ExpressJS, mysql2, & Sequelize.

Skills: Node.js · Express.js · MySQL · React.js

Aug 2014 - Jul 2018

Bachelor of Science, Mechanical Engineering

Institut Teknologi Bandung

GPA : 3.64 / 4.00 (Cum Laude)

The mechanical engineering department has been accredited by AASIN so that graduates equivalent to European B.S degree in mechanical engineering

Achievements

Jun 2022 - Feb 2023

Web Design Certificate

FreeCodeCamp | <https://www.freecodecamp.org/mcdanang>

Certifications:

- Responsive Web Design (HTML, CSS)
- JavaScript Algorithms and Data Structures (ES6, OOP, FP)

- Front End Development Libraries (Bootstrap, jQuery, SASS, React, Redux)
- Data Visualization (D3.js)
- Relational Database (Bash, Git, PostgreSQL)
- Back End Development and APIs (Node, Express, MongoDB, Mongoose)

Jun 2022

Project Management Certificate

Belajarlagi

Project Management Bootcamp

A 3-week online course offered by BelajarLagi.

Syllabus:

- Develop project charter
- Define the scope of the project
- Plan the project schedule
- Create the stakeholder engagement plan
- Anticipate future risks
- Plan the financial, bandwidth, and other investment
- Thrive during the challenging project execution
- Wrap up and close the project

Aug 2021 - Sep 2021

NodeJS Backend Development with Adonis Certificate

Candradimuka Jabar Coding Camp

Score 91/100

Technical Skills:

- Javascript Basic, ES6, Typescript
- Database (MySQL & ERD)
- RESTful API with ExpressJS & Sequelize ORM

Aug 2018

Winner of “Ganesha Karya” Award

Institut Teknologi Bandung

Appreciation for the work of the Carbonemix Team in the Oil Rig Design Competitions

Organization & Volunteer Experiences

Jun 2017 - May 2018

Head of the Aspiration Management Commission

Dewan Perwakilan Anggota HMM ITB

Member's Representative Board at Mechanical Student Organization

Feb 2016 - Feb 2017

Chairman

Keluarga Paduan Angklung ITB

Angklung Ensemble Family - One of the most prominent angklung communities in Indonesia

Mar 2013 - Jan 2023

Board of People Development

Rumah Belajar Nusantara

Free learning space for children in need

