

JERILENE L. MEDRANO

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SKILLS

- LANGUAGES : JavaScript | TypeScript | C++ | HTML | CSS | Bash
- FRAMEWORKS / TECHNOLOGIES: Angular | MongoDB | ElasticSearch | Neo4J | Cassandra | PubSub | Bull | React.js | Node.js | Material UI | Docker | Kubernetes
- TOOLS: Git | Linux | Windows | Arduino

PROFESSIONAL EXPERIENCE

Software Engineer | Affable.ai (11/2021) – present

- Designs and implements client-requested customization to our data platform.
- Takes ownership for a client-specific platform.
- Manages the tickets for client-raised issues and requests.
- Provides guidance for bug solving to other developers.

Software Developer | Hatchways (Freelance) (10/2021) – (11/2021)

- Provided code review, technical help, technical documentation, and research services in web development.

Product Design Engineer | University of the Philippines (Contract) (06/2020) – (11/2020)

- Designed and led the development of the first prototype of CleanIntubate, a disinfection device, which achieved equivalent efficacy as the manual disinfection process.

SOFTWARE PROJECTS

TATTOO ART – A tattoo design contest website

Tech Stack: MongoDB, Express.js, React.js, Node.js, Stripe, Material UI

- Built the payment system that uses Stripe for adding and selecting payment methods and charging based on set contest prize once a winner had been selected.
- Created the Notification system for triggering notification creation on design submission and fetching live notifications.
- Used Material UI in creating components and pages that faithfully replicate available design spec.

CleanIntubate – An automated, portable medical disinfection device

Tech Stack: Arduino / C++

- Built the fluid, temperature and UV control system using Arduino and component libraries.
- Created the User Interface, which supports mode selection, custom input, and progress display.

EDUCATION

Numerical Methods in Engineering Course | University of the Philippines

Introduction to Computer Programming Course | University of the Philippines

BS MATERIALS ENGINEERING | University of the Philippines