NATTHAPHON FOITHONG

Front-End Developer

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TECHNICAL SKILLS

Languages and Framework
JavaScript (including ES6+), HTML5, CSS3, jQuery, **Bootstrap**, **Git**, GitHub, **Express.js**, **React.js**, **Node.js**, Handlebars.js, ejs, OOP, ORM, **MVC**, **MySQL**, **NoSQL (MongoDB)**, Jest, TDD, Authentication (Bcrypt, session), PWA, Heroku, Insomnia

Programs and IDE
Microsoft Visual Studio, Atom

Creative and Research
Adobe XD, Figma, UX Research, UI Design, Empathy Maps, Journey Mapping, Information Architecture, Affinity Diagram, **Wireframing**, **Prototyping**, Usability Testing, **Responsive Design**, Visual Design, **Adobe Creative Cloud** (Photoshop, Lightroom, Illustrator, InDesign, Premiere pro)

EDUCATION

Full Stack Web Development / *Certificate*
George Washington University, Online
(Nov 2021 - May 2022)

Google UX professional / *Certificate*
Coursera, Online
(Feb 2021 - Sep 2021)

Graphic Design / *Associate*
Art Institute of Washington-Dulles, Sterling, VA
(Apr 2011 - Jun 2013)

Computer Information System / *Certificate*
Tyson Institute, Vienna, VA
(Apr 2007 - Jun 2010)

Agriculture Economic / *Bachelor of Science*
Kasetsart University, Bangkok, THAILAND
(Apr 1999 - Jun 2002)

Front End Developer leveraging background in 8 years of experience in Graphic design and 1 year UX designer to provide unique perspectives on how end-users interact with websites and software platforms. Earned a certificate in Full Stack Web Development from the George Washington University Coding Boot Camp. Innovative problem-solver who is passionate about developing apps with a focus on mobile-first design and development. Strengths in creativity, teamwork, and building projects from ideation to execution.

PROJECTS

Interactive Front End Project: **The WNS Dashboard** [Deployed project](#) | [GitHub](#) | [Mockup](#)
Role: Project mockup and Styling application
An application where users can enter the name of their City to check the air quality. This action will also randomly generate a recipe for a cocktail.
- A project is collaborative work among a group of developers by using **Kanboard** is project management software that focuses on the **Kanban methodology**. This project uses the skills and technologies deployment, interactivity, client-side storage, responsive design, polished UI.

Interactivity and User Input
- Use **DOM API methods** to select and dynamically generate HTML elements and handle events such as key presses and mouse clicks. Set time-based using **moment.js**

UI Enhancements
- Implement third-party libraries use **Bulma framework** do a modals, form-input, button to styling page and **Animate framework** do font animation
- Work with custom fonts and icons via a content delivery network (CDN)

Server-Side APIs
- Use the fetch API to send requests from AirVisual API and Cocktail API to display the API data on the page and use **localStorage** to save data

Responsive Design
- Create a **mobile-responsive** layout using advanced CSS layout techniques like **flexbox** and using **media queries**.
- Create an attractive and intuitive user interface using **advanced CSS** selectors and custom properties.

Challenges: Finding accessible API's and Search box columns
Successes: Teamwork communication

Interactive Full-Stack Project: **Fast n Furious Garage** [Deployed project](#) | [GitHub](#) | [Mockup](#)
Role: Views - Handlebars.js
An application to provide a management system for car owners and, eventually mechanics. This application is a kind of B2B application project. We all contributed to each item of **MVC**
- Using **Kanboard** is project management software that focuses on the **Kanban methodology** that allows teams to collaborate on projects by creating, updating, and deleting categories, to-do list cards, and comments.
- Structuring your application to follow the **MVC paradigm** will enforce this separation of concerns, dividing the data models, the views and design, and the API route controller into their own distinct areas.

RESTful APIs
RESTful API with GET and POST routes for retrieving and adding new data
- Configure an **Express.js** back end to create an API to handle GET and POST requests.
- Parse parameters in server-side routes.
- Submit form data to a server.
- Implement separation of concerns for routing.

Ferrari Maserati of Washington

Graphic Designer | Photographer

Jun 2019 - PRESENT, Sterling, VA

- Develop graphics and visual images for product illustrations, advertisements, brochures, magazines, logos, and websites
- Collaborate with manager, sales, services and marketing team for designing marketing materials for social media and internal company
- Photography new and used car and uploading on website
- Create email campaign and landing page from the constant contact platform

Simply Bowie Magazine

Layout & Ad Designer

Feb 2021 - PRESENT, Part-time

- Meet with editors, circulation directors and advertising managers in order to discuss the appearance of the upcoming issue
- Decide on things such as typeface and fonts for magazine's cover and headlines
- Decide which type of artwork and other visuals will be used for each story
- May be involved with designing layout of company website
- Use of publication related software such as Indesign, Photoshop or Illustrator
- Provide the DIGITAL and PRINT for publishing

Freelancer

Graphic & Web Designer

Nove 2013 - PRESENT, Sterling, VA

- Communicate with clients to understand specific brands and advise clients on strategies to reach a particular audience.
- Create graphic designs for marketing materials such as menu, banner, brochure, business card, logo, postcard, poster, and web design.
- Use Wordpress or Wix to create the restaurant website

Wordexpress, INC

Graphic Designer

Nov 2013 - Jan 2021, Reston, VA

- Design layout and typesetting production jobs such as manuals, annual reports, books, large newsletters, brochures, posters, and invitation.
- Create Illustration Infographic including Figures, Charts, Color themes and more..
- Setup for production of digital artwork for both proofing and production.

LANGUAGES

ENGLISH and THAI

Connecting to a Database

- Set up the application to use **Sequelize** to manage **MySQL** data.
- Create schema and seed files for the development of the application.
- Convert data between incompatible type systems using **OOP** principles.
- Join statements to establish relations between data tables using primary and foreign keys.
- Create all of the server endpoints using **RESTful API** Use **CRUD** (create, read, update, and delete) methods to work with persistent data.
- Use the **process.env.PORT** variable-set up the environment and protect the sensitive data.

Create the Login Route for Authentication

- Use Sequelize with third-party node packages to **encrypt** user passwords so they're not stored as plaintext in the database.
- Use a node package called **bcrypt** to perform the hashing function for user login-password.
- Use special Sequelize functions called **hooks** in the model. Also known as **lifecycle events**, functions which are called before calls in sequelize are executed.

Model-View-Controller (MVC) paradigm

- Structure your application following the Model-View-Controller (**MVC**) paradigm.
- Modularize code into separate folders for Models, View, and Controllers to enforce separation of concerns.
- Render dynamic HTML for viewing using the **Handlebars.js** template engine.
- Separates handlebars of each page by using the partials and layouts template engine.
- Implement user **authentication**.
- Uses The **express-session package**,which is an **Express.js middleware** that helps applications to determine whether multiple requests came from the same client.

Challenges: Using GitHub as a group was a challenge. Working the full stack from backend to frontend was a complexity.

Successes: We divided the work according to what we each wanted to do, and successfully came together to complete the work that was needed and had fun doing it.