

Phongsavanh Mongkhonvilay

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Summary

Hard-working Computer Science student that has 4 years of experience in Source Control, Data Structures & Algorithms, Databases, APIs, and Software Development Life Cycle. I need little handholding to get tasks finished. My productivity is unmatched, and I will bring value to any team that would welcome me. I am motivated, I am hungry, and I am eager to learn.

Skills

Languages: JavaScript, Python, Java, C++

Environments: VS Code, XCode, IntelliJ

Frontend: React.js, Next.js, React Native, HTML, CSS

Backend: Node.js, Django, Spring, REST APIs

Databases: SQL, PostgreSQL, MongoDB, GraphQL, Firebase, AWS

Source Control: Git, GitHub

Certificates

META – Back-End Developer - Coursera

Experience Highlights

- Solved a client problem using Firebase, React, and Twilio API to help the client increase customer acquisition and marketing sales with development of a landing page and custom database
<https://sharpouse-6490a.web.app/>
- Created a REST API with Node.js, Express, Mongoose and MongoDB. Using Mongoose and Express really helped to utilize Object Oriented Programming, which helped to follow the KISS principle. The REST API also followed MVC architecture which helps with maintaining the code base and scalability.
https://github.com/pmongkho/BACKEND_FINAL

- Created a Restful Architecture API, with no help of libraries for frameworks. Only PHP and PostgreSQL. I utilized Object Oriented Programming with PHP Data Objects, which created a reusable clean style of code. This project helped me to fully understand Back-End Software Engineering.

https://github.com/pmongkho/BACKEND_MIDTERM

- Reduced time of production planning at my current workplace from 2 hours to 5 minutes by creating a program in python that utilizes PDF libraries, dictionaries, and regular expressions. This program sorted two 124+page PDFs in a certain order by an Algorithm that I created.

<https://github.com/pmongkho/PythonPyPDFsortingAlgorithm>

Education

Fort Hays State
University

Bachelor's
Computer Science

Hays, KS
Graduating December 2023

Work Experience

AzulaTech

Freelance Developer

04/2022 to present

Creating and Developing Applications with React + Firebase and Django

Simmons

Logistics

10/2020 to 04/2022

Data entry, inventory, production management. I also assumed a leadership role on weekends.

Perfekta

CNC Machinist

06/2019 to 08/2020

Control CNC machines using code, ensuring precise quality of products, and following federal standard operating procedures for aircraft part regulations. Made parts for Cessna, Boeing, and Northrop Grumman.

Moly Manufacturing

Robotics Welding/CNC fabrication

08/2017 to 01/2019

Operated robotic arm that assembled parts by process of welding, ensured quality of parts, and machined and engineered parts for robotic arm using engineering software.