Michael Wood

FULL-STACK DEVELOPER
IT SPECIALIST
DATA COM ENGINEER

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PROFILE

At age 19, I designed a cryptography breakthrough called the REDOC-II CryptoSystem (programmed in C/ assembler). I transitioned to Information Technology / Data Communications, and patented/ programmed (Linux/C) a groundbreaking network management solution which was sold to Micromuse for nearly $100 million.

I've spent more recent years mastering modern web technologies and frameworks with the goal of once again contributing to the success of a small to medium-sized company.

SKILLS

C, Javascript, PHP, WordPress, React, Node.js, Express, MYSQL, Redis, MongoDb, Agile/Scrum/Jira, Document Object Model (DOM) APIs, Web APIs, OAuth/JWT/Passport, Git, Github, Jest, HTML/CSS, Linux, Full-Stack Development (LAMP & MERN), CRUD, MVC, REST, TypeScript, Mobile Dev using React/Ionic

EXPERIENCE

Senior Backend Engineer — PYMNTS.com

July 2022 - Present, FORT LAUDERDALE, FL

- Responsible for all aspects of a multi-tech environment including Linux Servers (Centos & Ubuntu), WebServers (Apache, Nginx, Express), Databases (Mysql, Redis & MongoDb), backend development (PHP & NodeJs), full-stack webapps (React front end), and assist w/ frontend website dev (HTML, CSS & Javascript).

Self-Directed Cybersecurity & Software Development

MAY 2014 - July 2022, MIAMI, FL

- Obtained several cybersecurity patents: US500,3596, US6,405,248, US9,467,324, US9,742,734, US9,882,877, US9,992,233, US10,320,746, US10,348,682, and US10,574,628
- Implemented in Linux/C, PHP, MYSQL, Javascript, React, Node.js..

CEO / Senior Software Developer | Calvin Alexander Networking/Micromuse Inc.

OCT 1998 - 2001, NEW YORK, NY

- Created commercial implementation of patent #US6,405,248.
- Micromuse Inc. acquired this technology for $95 million.
- Served as Senior Vice President of Software Development at Micromuse to facilitate integrating this into its NetCool Suite.

Senior Data Communications Consultant | Scudder Stevens and Clark

JUN 1991 - 1998, NEW YORK, NY

- Responsible for international data communication infrastructure.
- Wrote custom network management tools in Linux/C.
- Invented system for creating a living blueprint of a world-wide network infrastructure accurate to the hour (patent #US6,405,248).

CEO / Senior Developer | Cryptech Inc.

FEB 1990 - 1991, JAMESTOWN, NY

- Invented the REDOC Cryptosystem (patent #US500,3596).
- Implemented the encryption using assembler language.

EDUCATION

BrainStation | Diploma, Web Development

JAN 2022 - APR 2022

Jamestown Community College | Associates — Science

SEP 1987 - 1989, JAMESTOWN, NY

PAPERS

THE REDOC II CRYPTOSYSTEM | Dr. Thomas Cusick / Michael Wood

Advances in cryptology, proceedings of CRYPTO 90, 1990.