

Michael Wood

FULL-STACK DEVELOPER
IT SPECIALIST
DATA COM ENGINEER

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PROFILE

I designed my first patented software solution at the age of 19 — 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 I sold to Micromuse for stock that was valued approximately \$100 million when the lockup period expired.

I've spent the last few years studying modern web frameworks, and getting up to speed on the latest cloud architectures, to once again contribute to the success of a small to medium-sized company.

SKILLS

C, Javascript, PHP, React, Node.js, Express, MYSQL, 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 with React/Ionic

EXPERIENCE

Self-Directed Cybersecurity & Software Development

MAY 2014 - 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..
- Graduated from BrainStation (Web Dev diploma) in April 2022 gaining experience in team git flows and agile development..

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

OCT 1998 - 2001, NEW YORK, NY

- Created commercial implementation of patent #US6,405,248 for Calvin Alexander Networking.
- Micromuse Inc. acquired this technology from Calvin Alexander Networking 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 automatically 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.