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Samuel Thompson

An aspiring software engineer, and Full Stack Web Development Instructional Specialist, I enjoy solving unique problems with critical thought as they arise. I have experience creating full stack web applications that have undergone the Continuous Integration / Deployment process within a DevOps pipeline. A former classroom educator, and current Lead Evaluator, who has strong management skills, a growth mindset, and feels comfortable working within a diverse team environment.

Project Highlights

National Minority AIDs Initiative (MAI) Suite

<https://bit.ly/3DoZwf1>
<https://bit.ly/3NCfLKK>

HTML, CSS, MongoDB, Node.js, Next.js, TypeScript, Microsoft Azure, Docker, GitHub, SMTP, SendGrid

A suite of web applications built using TypeScript and a Next.js framework. The suite allows for users to participate in a digital survey, and record gift cards through a connected application. The applications include simple mail transfer protocols to notify supervisors of interviews completed and gift cards distributed. The applications are built and deployed used Dockerfiles and hosted on the Azure platform.

National Outcome Measures (NOMS) Suite

<https://bit.ly/36B3gOS>
<https://bit.ly/3ILOv8M>
<https://bit.ly/3iUnHbL>

HTML, CSS, MongoDB, Node.js, Next.js, TypeScript, Microsoft Azure, Docker, GitHub, SMTP, SendGrid, Azure Functions

A pairing of applications that allows users to interview and store client surveys in a non-relational database. Data is then modified using Application Program Interfaces and stored on a 'to-do' web application where users can track which clients need to receive gift cards or have their NOMS data recorded in the federal database. The applications are built and deployed used Dockerfiles and hosted on the Azure platform.

Counselor Logs and Weekly Productivity Suite

<https://bit.ly/3LuEzCb>
<https://bit.ly/3NCq3RQ>
<https://bit.ly/3uEzdhd>

.NET, C#, SQL, HTML, Inline Styling, GitHub, Microsoft Azure, Python, MongoDB

The suite is comprised of a front-end application that allows counselor and peer supporters to track their interactions with clients. The data is stored in a SQL database, and combined with a backend python function, merged with counselor productivity from an internal Electronic Health Record System. The aggregate data is stored on a non-relational MongoDB Database and viewed on an administrative overview dashboard. Applications are built / deployed used Dockerfiles and hosted on the Azure platform.

Languages & Libraries

HTML, CSS, TypeScript, JavaScript, SQL, jQuery, Bootstrap, React.js, Google Fonts, GitHub, Express.js, Next.js, C#, .NET, MongoDB, Next.js, Material UI, Prisma, TypeScript, Python

Programming Frameworks

Server-Side Data, Server-Data Connections, State and Prop Components, Object Oriented Programming, Responsive Web Design, Microsoft Azure, Versioning Control, Continuous Deployment / Integration, 3rd Party APIs, Stored Procedures, Automation

Work Experience

Lead Evaluator	Full Stack Web Development Instructional Specialist	Elementary Science Learning Facilitator
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Northern Ohio Recovery Association 2021 - Current	Columbia University University of Connecticut Tecnologico de Monterrey Trilogy Education Services 2021 - Present	Clark County School District 2016 - 2019
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Responsible for the design, creation, and maintenance of cloud-based solutions for client and counselor data. Created several full stack web applications based on user and business needs. Implemented Continuous Integration and Continuous Development practices with CI/CD for data collection and reporting tools that have undergone several versions due to user requests and feedback. Worked with C – level executives and fellow employees on projects listed above.	Taught in an online remote learning environment via multiple cohorts, most notably the Columbia University & Connecticut. Worked with students on topics of HTML, CSS, JavaScript, React.js, Express, Node, SQL, and NoSQL. The cohorts have been remote since COVID, which has given me experience working with teams in a remote environment, using tools such as Zoom and Slack.	Introduced a technology-based gradebook and parent-teacher portal to fellow educators and families. Managed and facilitated learning in a blended classroom (1:1 setting) at a diverse magnet school. Taught following evidence-based standards in a personalized learning environment where learners were offered flexibility and choice in creating their learning path.

Education

Full Stack Web Development Coding Boot Camp Graduate

- Case Western Reserve University
2020

Bachelor of Arts in Environmental Studies

- The University of Montana
2015-2016

Graduate from the National Outdoor Leadership School (NOLS)

- NOLS Southwest
2011

Awards

Leadership, Achievement, and Service Scholarship

Received due to graduation with honors from the National Outdoor Leadership School in Tucson

Kain-McKay Scholarship

Earned for a year and half of service with the Montana Public Interest Research Group that culminated in a semester of lobbying for clean, renewable energy at the Montana State Legislature

Extra-Curricular

Student Senator

Represented fellow students in the Associated Students of The University of Montana (ASUM) with a focus on sustainability and transportation issues

Kless Revolving Energy Loan Fund

Managed and distributed funds for clean energy initiatives on campus.