

# James Shoemake

## Software Engineer

Professional software engineer and data analyst with over 10 years of experience developing Front End and Full Stack Web applications focused on aesthetically pleasing user-friendly design leveraging machine learning, modern web tools, and languages including HTML/CSS/JavaScript, React, Jest, Python, Elasticsearch, SQL, and NoSQL databases.

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## Skills

HTML/CSS	Jest	Elasticsearch	Git	Python
JavaScript	Puppeteer	SQL	Jira	PyTorch
TypeScript	Node	MS SQL Server	Google Analytics	Linux
React	ColdFusion	Redis	SEO	

## Work History & Accomplishments

## Full Stack Web Developer | Lead Search Developer

*Howard Technology*

Ellisville, MS

May 2013 – Present

- Early 2023, Started research and development of new Ecommerce Search solution. Build Several Proof of Concepts using OpenSearch, Elasticsearch, and Redis--Recommended a solution based on Elastic Search and began implementation utilizing: Node, React, and REST APIs.
- Developed a new search class, search landing page and predictive search feature for the Howard website relaunches; implemented utilizing ColdFusion, JavaScript, and Fusion by LucidWorks, resulting an increase in customer search conversions by 85%.
- Instrumental contributor to 2018 redesign of the Howard websites, designed UX for customer account management, general website layouts, Implemented Google Analytics filters, and dashboards.
- Created Howard medical customer opportunity signup system leading to over 100 new customers and over \$1 million in medical equipment sales.
- Established first Jest based JavaScript testing for Howard websites; composed styling guide for Howard JavaScript programming.

## Data Analyst | Full Stack Applications Developer

## Essential Knowledge Systems

Petal, MS

August 2019 – June 2022

- Designed and Implemented a React application which manages educational course materials; allows instructors to create assignments and students to submit assignments and receive feedback.
- Developed React application utilizing the Open Source Routing Machine project and OpenStreetMap based directions for drivers delivering products around the Hattiesburg and Petal, MS areas.
- Ported a PyTorch Machine learning model, mTAN, into PyTorch-Lightning allowing the Single-GPU model to run on multi-GPU and multi-node hardware configurations.
- Co-Authoring 2 Machine learning papers: based on Parallel computing via PyTorch-Lightning and another comparing Transfer learning models.

## Full Stack Developer

## Boot Country

*Hattiesburg, MS*

2012 - 2013

**Corporal of Marines**

*US Marine Corp*

Yuma, AZ

2005 - 2009

## Education

**Master of Business Administration** University of Southern Mississippi, Hattiesburg, MS 2018 - 2019

**Applied Technology, BS Minor Computer Science** USM, Hattiesburg, MS 2016 - 2018

**Computer Information Systems Technology, AAS** Jones College, Ellisville, MS 2010 - 2012