

Michael T. Davis

michaeltDavis@gmail.com • (412) 215-2666
1037 Eastern Parkway, Louisville, KY 40217
mtdavis.org

Over fourteen years of experience as a software developer.

A detail-oriented fast learner always looking for new challenges.

Able to successfully allocate time and effort among multiple projects.

Notable skills include programming in JavaScript (particularly React) and Python.

Professional Experience

Senior Software Engineer: Oct. 2021 – Feb. 2023

AllStripes, San Francisco, CA (100% Remote)

As a software developer on various teams, I contributed to web applications such as the patient-facing app and an internal tool suite. These SPAs were written in TypeScript, with React on the frontend and Node.js on the backend. Notable efforts include:

- Wrote the overall design spec for, and implemented the backend of, a workflow for redacting medical records (PDFs).
- Wrote the design spec and implemented a workflow for automatically assigning subsets of patient cohorts to outsourcers.
- Implemented the secondary consent workflow for a substudy with HemoShear.
- Implemented a UI for viewing visualization/study methodology content, as well as an administrative UI for editing and previewing this content.

Software Developer: Mar. 2015 – Feb. 2018, Nov. 2018 – Oct. 2021

Prometheus Research, New Haven, CT (100% Remote)

As a software developer on the Professional Services Team, my primary focus was on developing patient registries for scientific research groups and professional societies. These SPAs used React on the frontend and Python on the backend. Notable efforts include:

- ASH (American Society of Hematology) COVID-19 registry, a rapidly developed app for gathering data on outcomes of patients with COVID-19 and hematologic diseases.
- MMRF (Multiple Myeloma Research Foundation) CureCloud registry, which required integration with numerous third-party APIs: mobile phlebotomists, genetic sequencing, health records, etc.
- LFA (Lupus Foundation of America) Research Accelerated by You registry, a data donation portal for lupus patients.

Senior Software Engineer: Feb. 2018 – Sep. 2018

Level 12, Louisville, KY (80% Remote)

Contributed to various web apps using React on the frontend and Python (Flask and SQLAlchemy) on the backend.

Software Developer: Jun. 2008 – Mar. 2015

Compunetix, Monroeville, PA

As a software developer in the Video Systems Division, I primarily contributed to the UI components of our videoconferencing system, such as operator consoles, and several server-side components. Languages used include Java, JavaScript, and Python.

Education

University of Pittsburgh: Aug. 2004 – Apr. 2008

Bachelor of Science in Computer Engineering, with a Minor in Computer Science.

Graduated Summa Cum Laude with a GPA of 3.939.

Skills

Languages: JavaScript, Python, TypeScript, Java, HTML, CSS, SQL

Libraries, Frameworks, and APIs: React, Redux, Node.js, MobX, Parse Platform, React Hook Form, Jest, React Testing Library, Cypress, Bootstrap, Material-UI, nivo, Plotly, Prisma, Next.js, React-pdf, GraphQL, jQuery, SQLAlchemy, Alembic

Cloud Services: GCP, AWS

Tools: Git, Docker, Babel, Webpack, npm, Yarn, Ansible, Terraform