

Steven J. Homem

Full Stack Web Developer

Fayetteville, AR | 479-800-4047 | sjhomem@outlook.com | Portfolio: stevenjhomem.dev

TECHNICAL SKILLS

Frontend: ElasticUI, Next.js, Angular.js, Vue.js, React.js, TypeScript, Jest, Playwright, JavaScript, HTML, CSS

Backend: Python, Django, Node.js, Express, SQL, PostgreSQL

Infrastructure & DevOps: Kubernetes, Docker, Argo Workflows, Linux

Observability & Logging: Splunk, OpenSearch, Elasticsearch, Logstash, Kibana

Additional Skills: Professional Development, Ultra Marathoner

EXPERIENCE

Walmart, Software Engineer II and Software Engineer III

May 2023 - May 2025

- DDOS/Bad Domain or IP Mitigation System
 - Built the entire frontend using Next.js, React.js, and ElasticUI components, delivering a scalable, user-friendly interface that optimized the operational efficiency of the Security Operations Center.
 - Collaborated on the design and enhancement of the Django Ninja API microservice, enabling seamless integration and high-performance data exchange across systems.
 - Facilitated Kubernetes deployments and production rollouts, managing change controls to ensure smooth, reliable updates with minimal downtime. All of this was done with Argo workflows.
 - Designed and implemented a logging pipeline so that we would be alerted properly of an issue before the customer was aware.
 - Enhanced backend services by implementing Celery tasks and custom sanity checks, improving the Walmart security posture by mitigating potentially good domains or IPs from getting blocked.
 - Achieved a 5000% improvement in the SOC's ability to block threatening domains and IPs, significantly strengthening network defense capabilities and operational resilience.
 - Communicated with the customer often to ensure the product was built as they desired.
- Mitre Attack Framework Compare and Contrast Web Application
 - A supporting frontend engineer for a proprietary tool that allowed Walmart to compare and contrast the MITRE attack framework with their current defense capabilities across their network and devices to ensure that most, if not all, known security exploits had been or were being addressed by the Security Operations Center.
 - Wrote, maintained, and refactored clean and testable javascript for the frontend of this application.
 - Implemented a micro-service API layer in Django Ninja with 100% test coverage and no known errors to date.
- Kibana Replica
 - lead full stack engineer for a proprietary Elasticsearch based Kibana replica that utilized Logstash pipelines to collect, parse, and transform log data so that it could be normalized and hence searched for in the Kibana replica and displayed to the user.
 - Designed and implemented a complete rearchitecting of the react redux global state store on the frontend.
 - Migrated the API layer from one server to another server and repo. This led to a decent amount of refactoring and a penetration test/audit from our change control process where, ultimately, the app passed inspection and was allowed on the Walmart network.

Superior Automotive Group, Fullstack Web Developer

March 2023 - May 2023

- Backend services were written in Node.js, so the entire testing suite that was implemented was written with Jest.
- Refactored asynchronous functions on our backend which reduced over 20,000 lines of code.

- Refactored the way some of our Angular components were digesting and using data in order to facilitate a more positive user experience
- In the span of 30 days, I was able to take applications that had 0% testing coverage to 87% coverage.

Field Agent, Backend Developer

January 2022 - February 2023

- Instrumental in the creation and implementation of Field Agent's backend Membership features.
- Designed and implemented a new backend architecture for how third party products were normalized into the database.
- Programmed Django models, views, and serializers. Debugged and tested cross-repo features by writing integration tests and deploying changes to our team's test server.
- Shipped product features early, given the desired timetable, which allowed for our team to test for user experience bugs so that we could roll into production an amazing product on the desired date.
- Designed, implemented, and led a weekly professional development series for our software engineering team.

CodeHeroes, Full Stack Developer

December 2021-January 2022

- Led and facilitated productive communication between the front end and back engineers on our team.
- Scoped the development of the Coder Hero web application along different user flows into manageable, granular tasks that could be accomplished by the software engineers.
- Shipped product features according to the desired timetable.
- Refactored the data architecture to facilitate readability and reusability for future engineers.

Liberty University, Adjunct Mathematics Instructor & Subject Matter Expert

May 2018 - Present

- Achieved a 50% increase in SS rates by modifying course materials to make them more user-friendly and inclusive.
- Managed 3 course curriculums: Introduction to Statistics, Calculus 2, and Abstract Algebra.
- Using formative style of assessments, provided well manicured instructional videos supporting most common student needs.

English School Attached To Guangdong University, Guangzhou, China - Principal & Teacher

Aug 2018 - Jan 2020

- Facilitated positive and inclusive relationships between the foreign teachers and the Chinese teachers.
- Responsible for the safety, educational development, and personal growth of 180+ students as well as 15+ teachers.
- Creatively balanced the requirements for the US based Religious Accreditation Organization along with the Chinese Education Bureau requirements for what was allowed to be taught in the classroom to Chinese students.

Certifications

CompTia Security+

Jul 2024 - July 2027

Linux Foundation CKAD

August 2025 (Test Date)

EDUCATION

BloomTech: Graduate, Full Time Program, Full Stack Web Development

Jul 2021 - Dec 2021

University of Arkansas, Fayetteville: A.B.D in Mathematics: Specialization in Mathematics Education

Jul 2018 - Dec 2020

University of Arkansas, Fayetteville: Masters in Science: Pure Mathematics

Aug 2016 - Jun 2018