

WWW.GITHUB.COM/RICHARDTMILES/

PROFILE

Lead developer and team manager for multiple directed studies guided by top UNT Principal Lecturers. Business Professional of America State Qualifier in website design. Former Vice President of the University of North Texas Triathlon Club. A Windows and Linux power user + **GCP / AWS cloud architect**. PHP-SRC internals contributor, working on improving the PHP programming language from its **C** code internals. A **LAMP (Linux, Apache, MySQL, PHP) veteran**. Built **CarbonORM.dev/**, a set of libraries to significantly speed up developer operations and data migrations. Over eight years of experience in application development and server administration. Tenth overall in the McKesson Technology annual web hacking competition. WiFi hacking competition Wall of Seep at the Defcon Conference award winner.

CHESS.COM; PALO ALTO, CALIFORNIA - SOFTWARE ENGINEER

AUGUST 2024 - CURRENT

- Programming daily in PHP, Reactive Java, Shell, Protobuf, and more on the performance team
- Conference speaker over language internals and improvements in C

MILES SYSTEMS; HIGHLANDS RANCH, CO - CONTRACTOR

SEPTEMBER 2019 - MARCH 2024

- Software provider using **IEEE-compliant** Software Requirements **Specification**
- Independent game developer using **WebGL** for Web, Android, and IOS using **React-Native**
- **SaaS** for migrations, backups, database management, and real-time communication
- Web-based solutions using custom or popular frameworks like **Laravel**, **Symfony**, and **Drupal**

DROP-IN GAMING; WEST LINN, OR - LEAD DEVELOPER

SEPTEMBER 2020 - AUGUST 2023

- Migration to **AWS - Cloud Formation**, **EC2** auto-scaling, Load Balancers, **Route 53 DNS**, **CloudFront**, **RDS Aurora Serverless** database, **S3**, **CloudWatch**, and **GitHub Actions**
- Custom **WebSocket** for **real-time io** and **SMTP live video streaming** micro-service server
- Experienced with **Webpack** and introduced open-source updates to the bundled **CSS loader**
- Payment gateway integrations with **PayPal**, **NMI**, **Web3 Crypto**, and other providers
- **Discord bot** in **Node (TypeScript)** and led a complete site redesign in **React**
- Released custom open-source **NPM API packages** and improved other open-source projects

MCKESSON TECHNOLOGY; IRVING, TX - SR. JAVA DEVELOPER

APRIL 2019 - SEP 2020

- **Java (Hybris)** CMS, **Jenkins**, API redesign
- **Microservice** architecture using **Docker**, **PCF**, **GPC**
- **Cyber Security** and **threat management speaker**, **Defcon** conference participant
- **IAM** user and access management service implemented using **React** and **Java**
- **Hiring** team member, **technical interview proctor**, and remote **team lead**

PRESIDIUM; ARLINGTON, TX - FULL LAMP STACK DEVELOPER

APRIL 2018 - MARCH 2019

- Programming daily in **Java MVC Spring**, **PHP Laravel**, **BASH**, and **React & React Native**
- Developed a cross-language/cross-platform **login system**
- Many security issues were detected and fixed

SOUTHERN METHODIST UNIVERSITY; DALLAS, TX - TA

MAY 2018 - AUGUST 2018

- Helped guide students through a full **MongoDB**, **Express.js**, **React**, and **Node.js** course
- Understand any code shown to me to educate, correct, and grade.

UNIVERSITY OF NORTH TEXAS; DENTON, TX - STAFF COORDINATOR

AUGUST 2015 - DECEMBER 2017

- Building key holder to oversee daily operations
- Managed up to forty student employees

EDUCATION

UNIVERSITY OF NORTH TEXAS; DENTON, TX

COMPUTER SCIENCE, MINOR IN MATHEMATICS 2014-2019

GRADUATE COURSES IN NATURAL LANGUAGE PROCESSING, COMPUTER GRAPHICS, AND INFORMATION RETRIEVAL