Richard Tyler Miles

www.github.com/richardtmiles

tmiles199@gmail.com
(817) 789-3294

linkedin.com/in/richardtmiles
Highlands Ranch, CO 80129

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 Team. A Windows and Linux (**RHEL, FEDORA**, **CentOS**, **Ubuntu, Alpine,** and **Kali**) 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 McKesson Technology's annual web hacking competition. Defcon Conference award winner in WiFi hacking competition Wall of Seep.

CHESS.COM; SOFTWARE ENGINEER - PALO ALTO, CALIFORNIA REMOTE
AUGUST 2024 - DECEMBER 2024
- Leveraged expertise in **PHP**, **MySQL**, Reactive **Java**, Shell, **Protobuf**, **PubSub**, **Redis**, and **Vue**
- A/B testing, Playwright, Cypress, Vault, Datadog, Elk, Sentry, ArgoCD, and Confluent Cloud experience
- Used **Kafka**, **Docker**, and **Kubernetes** across our on-prem and cloud providers on the performance team
- Conference speaker over language internals and improvements in **C**

MILES SYSTEMS; CONTRACTOR - HIGHLANDS RANCH, CO
SEPTEMBER 2019 - MARCH 2024
- **SAAS** Software provider using **IEEE-compliant** Software Requirements Specification
- Independent game developer using **WebGL** for Web, Android, and IOS using **React-Native**
- Migrations, backups, database management, and real-time communication
- Web solutions using **WordPress**, **Laravel, Symfony,** and **Drupal,** with **WCAG accessibility** compliance

DROP-IN GAMING; LEAD DEVELOPER - WEST LINN, OR REMOTE
SEPTEMBER 2020 - AUGEST 2023
- Team manager of four developers using **Jira, Agile,** and **DevOps** to deliver **distributed** solutions
- Sitewide frontend **UI/UX** redesign using **React, Typescript, SCSS, Jest,** and **RESTful APIs**
- Migration to **AWS** on **RHEL** - **Cloud Formation, EC2** auto-scaling, Load Balancers, **Route 53 DNS**, **CloudFront**, **RDS Aurora Serverless** database, **S3**, **CloudWatch**, and **CI/CD** with **GitHub Actions**
- Custom Build **WebSocket** for **real-time I/O** and **SMTP live video streaming** microservice
- Experienced with **Webpack** and introduced open-source updates to the bundled **CSS loader**
- Integrated traditional (**PayPal, NMI**) and decentralized (**Web3/DeFi/Solana smart contracts**) payments
- Custom **WordPress themes/plugins, NPM API packages, Discord bot** in **Node** (**TypeScript**)

MCKESSON TECHNOLOGY; SR. JAVA DEVELOPER - IRVING, TX
APRIL 2019 - SEP 2020
- **Java** (**Hybris**) CMS, **ElasticSearch**, **Jenkins**, **Selenium,** and **Figma**
- **Microservice** architecture using **Docker**, **PCF**, **GPC,** and **Edge Side Includes**
- **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; FULL LAMP STACK DEVELOPER - ARLINGTON, TX
APRIL 2018 - MARCH 2019
- Programming daily in **Java MVC Spring**, **PHP Laravel**, **BASH**, and **React** & **React Native** on **Azure**
- Developed a cross-language/**cross-platform login system**
- Led a code migration from **Subversion** to **Git**

SOUTHERN METHODIST UNIVERSITY; TA - DALLAS, TX
MAY 2018 - AUGUST 2018
- Guided students through a **MongoDB**, **Express**, React, and **Node** (**MERN**) stack course
- Encouraged students to adopt best practices in coding and project development
- Provided one-on-one support to clarify concepts and foster understanding

UNIVERSITY OF NORTH TEXAS; STAFF COORDINATOR - DENTON, TX
AUGUST 2015 - DECEMBER 2017
- Building key holder to oversee daily operations
- Managed up to forty student employees
- Managed nightly cash counts and secured deposits in the safe

EDUCATION
UNIVERSITY OF NORTH TEXAS; DENTON, TX
COMPUTER SCIENCE, MINOR IN MATHEMATICS 2014-2019
GRADUATE COURSES IN NATURAL LANGUAGE PROCESSING (**LLM/AI**) IN **PYTHON**, COMPUTER GRAPHICS, AND INFORMATION RETRIEVAL