

Richard Tyler Miles

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**WWW.MILES.SYSTEMS/
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PROFILE

Lead developer and team manager for multiple directed studies guided by top UNT Principal Lecturers. Former TA at Southern Methodist University Coding Bootcamp. Able to operate in any language on any system. A **LAMP (Linux, Apache, MySQL, PHP) veteran**. Founder of www.CarbonORM.dev/, a multi-language library, to significantly speed up developer **rest** operations and **data migrations**. Over seven years of experience in application development and server administration. Business Professional of America State Qualifier in website design. Past Vice President of the University of North Texas Triathlon Club. A Windows, Ubuntu, FEDORA, RHEL, and MacOS power user + **GCP / AWS cloud**.

DEVELOPMENT EXPERIENCE

MILES SYSTEMS LLC; HIGHLANDS RANCH, CO - CONTRACTOR, FOUNDER

SEPTEMBER 2019 - MARCH 2024

- Software provider for multiple clients using **IEEE-compliant** Software Requirements **Specification**
- Independent game developer using **WebGL** for Web, Android, and IOS using **React-Native**
- **SaaS WordPress Plugin** for migrations, backups, database management, and real-time communication
- Premium web-based solutions for frameworks, including **Laravel**, **Symfony**, and **Drupal**

DROP-IN GAMING; WEST LINN, OR - LEAD DEVELOPER & SERVER ADMINISTRATOR

SEPTEMBER 2020 - AUGUST 2023

- Solo migration to **AWS** using **Cloud Formation** with **EC2** auto-scaling and Load Balancers, **Route 53 DNS**, **CloudFront**, **RDS Aurora Serverless** database, **S3**, **CloudWatch**, and **GitHub Actions**
- Developed a **WebSocket** server, custom **live chat**, and micro-service server for **real-time io**
- Improved **Webpack** and other **React compilation tooling**, including updates to the **CSS-loader**
- Payment gateway integrations with **PayPal**, **crypto**, and other providers
- Architected and solo implemented **SMTP live video streaming** microservice
- Created a real-time **Discord bot** in **Node (TypeScript)** and led a complete site redesign in **React**
- Released a Custom open-source **NPM API packages** and improved other open-source (**BarrelSby**)
- Promoted from entry developer to **server administrator**, then again to **lead developer**

MCKESSON TECHNOLOGY; IRVING, TX - SR. JAVA DEVELOPER

APRIL 2019 - SEP 2020

- Developed on a **Java (Hybris)** CMS, **Jenkins**, and was involved in API redesign
- Transferred existing products into **microservice** architecture using **Docker**, **PCF**, **GPC**
- Recognized **Cyber Security** and **threat management speaker**, **Defcon conference participant**
- Custom React user and **access management** service implemented using **React** and **Java**
- Hiring team member, **technical interview proctor**, contract and remote **team lead**

PRAESIDIUM INC.; ARLINGTON, TX - FULL LAMP STACK DEVELOPER

APRIL 2018 - MARCH 2019

- Developed a restful ORM API / **automatic code generator**
- 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 - MERN CODING BOOTCAMP 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 - REC CENTER STAFF COORDINATOR

AUGUST 2015 - DECEMBER 2017

- Building key holder to oversee daily operations while managing up to thirty 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