

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. 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 rockstar**. PHP-SRC contributor, working on improving the PHP programming language from its C code internals. A **LAMP (Linux, Apache, MySQL, PHP) veteran**. Founder of **www.CarbonORM.dev/**, a multi-language library, to significantly speed up developer operations and data migrations. Over eight years of experience in application development and server administration.

DEVELOPMENT EXPERIENCE

MILES SYSTEMS LLC; HIGHLANDS RANCH, CO - CONTRACTOR

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
- 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** server, **live chat**, and micro-service server for **real-time io**
- Experienced with **Webpack** and introduced open-source updates to the bundled **CSS-loader**
- Payment gateway integrations with **PayPal, NMI, Web3 Crypto**, and other providers
- Architected and solo implemented **SMTP live video streaming** micro-service
- 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 (**Barrelshy**)
- Promoted from entry developer to **server administrator**, then again to **lead developer**

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**

PRAESIDIUM INC.; 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 - 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
- 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