

DAVID RIOS

SOFTWARE ENGINEER

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STATEMENT

As a software engineer, I boast a diverse skill set that encompasses an array of technologies, from JavaScript, Python, React.js, and MongoDB to Tableau and more. During my tenure as a Senior Programmer Analyst, I was deeply involved in cutting-edge technologies, optimizing processes, and securing significant tax credits through innovative projects. Additionally, as a Senior Technical Training Lead, I took charge of strategizing and successfully implementing SAP BusinessObjects training for a wide audience, and introducing a custom Learning Management System (LMS) for comprehensive tracking and reporting of progress. Throughout my career, I've been a driving force behind success, empowering innovation, and fostering cross-platform expertise through dynamic training methodologies. I take pride in pushing the boundaries of what's possible, making a lasting impact on organizations and individuals alike.

SKILLS

Languages – JavaScript, HTML, CSS, Python, Visual Basic | **Libraries and Frameworks** – React.js, Express, Django, Node.js, jQuery, ASP.Net | **Databases** – MongoDB, PostgreSQL, Microsoft SQL Server, Snowflake, Apache Cassandra, Microsoft Access | **Reporting Tools** – Tableau, Microsoft SSRS | **Collaboration Tools** – Jira, Confluence | **Version Control Tools**: Git/GitHub, GitHub Desktop, | **Development Tools** - Visual Studio Code

EXPERIENCE

Technical Curriculum Developer. *Snowflake, Inc. (2020 – 2023) Austin, TX (Remote)*

- Triaged and completed an overdue backlog of 500+ issues logged for the team's flagship course, thereby improving the materials and freeing up time to take on big-rock initiatives.
- Rewrote existing labs in the flagship course, and supplemented with new ones, enabling students to achieve greater comprehension/mastery during class.
- Leveraged job task analyses created by the certification team to ensure topics and material in the flagship course were aligned to the appropriate certification exam, thus ensuring students attending the course had exposure to the material prior to taking the exam.

Web Designer. *Big Fish Vinyl Records and Uniques. (2019 – 2020) Springdale, AR (Part-time)*

- Designed and created a Shopify-based store website and implemented search engine optimization, which caused the store to consistently appear in first or second place in the Google search "snack pack" and resulted in a 400% increase in foot-traffic sales.

Senior Programmer Analyst. *Tyson, Foods, Inc. (2019 – 2020) Springdale, AR*

- Partnered with corporate quality assurance management, plant teams and vendors to develop computer vision-based systems for detecting foreign material, reducing product rework and ensuring food safety.
- Designed and implemented a powerful data model using a graph database management system (neo4j) that unlocked new value by enabling discovery of complex connections between products and their components.

Technical Curriculum Developer. *DataStax (2018 – 2019) Austin, TX (Remote)*

- Jump-started and completed a stalled team project to rewrite a Java Development course, driving team cohesiveness and delivering a high-quality product that met scheduled training dates.
- Created a video course for the DataStax Apache Kafka Connector that was widely viewed by customers, enabling customers to seamlessly migrate data between Apache Kafka and DataStax Enterprise.

Senior Programmer Analyst. *Tyson Foods, Inc. (2015 – 2018) Springdale, AR*

- Coordinated the decommission of two legacy manufacturing systems, surveyed users, mapped functionalities, ensured replacement functionality was created, and developed the change management plan, enabling users at 20+ manufacturing facilities to migrate to modern, easier to use systems.

- Designed and implemented complex queries and created analytical and operational reports (using Microsoft SSRS) that made it easier for users in research and development to manage new and existing product development projects.
- Headed a project to enable the capture and reporting of time food scientists spent on tax credit eligible projects, thereby allowing the company to claim up to a million dollars in tax credits.

Senior Technical Training Lead. *Tyson Foods, Inc. (2013 – 2015) Springdale, AR*

- Designed and executed the strategy for an SAP BusinessObjects training program for thousands of business users, programmers, and system analysts as part of a multi-year, phased SAP implementation.
- Developed the rollout strategy, facilitated initial instructor-led training, trained and supported instructors, and led a team of content developers to create manuals for instructor-led courses and interactive online course content.
- As a SCORM-compliant learning management system (LMS) was not available, designed and implemented an LMS that enabled tracking and scheduling courses, recording attendance and conducting data analytics to demonstrate and report user success as well as the rate and speed of user adoption on a monthly basis.
- Supported managers from other departments in meeting specific goals for their team, including designing and facilitating a meeting effectiveness seminar with follow-up exercises that boosted the team's abilities to run effective meetings and achieve desired outcomes.

Programmer Analyst. *Tyson Foods, Inc. (2012 – 2013) Springdale, AR*

- Wrote variance reports related to SAP process orders, authored functional specifications for new functionality requested by the business, wrote and executed test cases for custom SAP modules, and assisted with updating of meat prices.

Software Developer. *Lone Star National Bank. (2010 – 2012) McAllen, TX*

- Added new functionality to and debugged internal company web applications using ASP.Net and Visual Basic, and authored Microsoft SSRS reports, thereby reducing time previously spent on manual processes.
- Created Extract, Transform and Load (ETL) packages using Microsoft SSIS to stage data in a newly implemented data warehouse, enabling users to view KPIs and make strategic business decisions.
- Designed and implemented a software documentation program for the business intelligence department and organized the documentation efforts of 4 developers, ensuring the bank was compliant with federal regulations.

PROJECTS

Big Fish Vinyl Records – [Site Link](#) – [GitHub Link](#)

- This is a website for a record store that will be reopening in 2024. It allows the owner to post “Records of the Week” that can be promoted on Instagram and Facebook. It features a model-view-controller (MVC) architecture and demonstrates full CRUD capability as well as responsive design. Technologies used include HTML, CSS, Express, MongoDB, and Cloudinary (for the photo upload).

Inventory Tracker – [Site Link](#) – [GitHub Link](#)

- This model-view-controller MERN-stack application enables small business users to track inventory. I collaborated on the React frontend, implemented a backend RESTful API, and tested all endpoints with Postman. This API is called by React and reads/writes data to and from a MongoDB database. Technologies used include React, JavaScript, Express, and MongoDB. To view, logon with email david@email.com and password “test”.

Frog Collector – [Site Link](#) – [GitHub Link](#)

- This simple and fun application demonstrates full CRUD capability. It was build with Python and Django.

EDUCATION

Software Engineering Intensive Remote. *General Assembly.*

Master of Science, Information Technology. *University of Texas – Pan American.*

Master of Arts, Modern Languages. *Texas A&M University.*

Bachelor of Arts, English. *Texas A&M University.*