Tyler Conrad

Software Engineer with 12 years of professional experience and a passion for continually expanding applied CS skills. Strong understanding of SDLC with an emphasis on creative problem solving that minimizes complexity while meeting stakeholder requirements. Ability to quickly learn and deploy new tools and technologies.

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Professional Experience

Jun 2023 – Oct 2023 | **Loyal Health**
Atlanta, GA
Senior Cloud Data Operations Engineer

Joined team as a Senior Developer creating a new machine learning, data science and enterprise reporting platform for HIPAA-compliant data-driven health system decision making. Implemented streaming and batch Apache Spark ELT pipelines on Databricks utilizing Azure, Delta Live Tables, Unity Catalog and Kafka.

May 2022 – Sep 2022 | **My Logistics Solutions**
Minneapolis, MN
Software Development Consultant

Led technical discovery efforts for a sharing economy solution in the moving and storage industries targeting iOS, Android and Web. Worked closely with third-party team in technology infrastructure planning. Gained experience in requirements analysis from visual and written system behavior and working effectively with a remote team.

Oct 2017 – Jul 2021 | **Spring Venture Group**
Kansas City, MO
Data Engineer

As a member of the Data Engineering team I worked closely with Data Scientists to provide actionable datasets for batch and real-time decision making models. Implemented ETL pipelines utilizing PySpark, Glue, Lambda, SQS, Kafka, and Step Functions to fulfill a broad range of business challenges. Improved knowledge of Python, SQL, the AWS cloud ecosystem and building scalable production-grade data products.

Jan 2014 – Oct 2017 | **VML**
Kansas City, MO
JavaScript Developer

Developed interactive client-side digital advertising experiences. Worked on portals for Korean Air, Ford Mobility and Sprint. Gained experience in browser-based client-side application development and collaborating with large in-person teams.

Nov 2012 – Nov 2013 | **Essential Success**
Kansas City, MO
Software Developer

Joined team developing the 2.0 version of a self-service kiosk and POS system targeting Ubuntu Linux and Android. Implemented solutions for user interaction, networking, database schema design and evolution, and hardware device integration. Improved knowledge of Python, SQL, Git and systems design.

Awards

Eagle Scout   Nov 2003
Boy Scout Troop 242

Eagle Scout project consisted of managing the resource acquisition and construction of an NHPA regulation horseshoe court at local park. Gained leadership and team guidance experience.

Technical Skills and Tools

Skill	Level	Skill	Level
C	● ●	Spark	● ● ● ● ●
C++	● ●	Azure	● ● ●
JavaScript	● ● ●	Flutter	● ● ●
Java	● ●	Rust	● ●
Scala	● ● ● ●	macOS	● ●
Python	● ● ● ● ●	Git	● ● ● ●
SQL	● ● ● ●	Linux	● ● ●
AWS	● ● ●	Docker	● ● ●

References

Carlos Zepeda — *Data Operations Manager*
Loyal Health
Denver, CO
luisczepeda@gmail.com

C. Chanthamontry — *Senior Director of Analytics*
Spring Venture Group
Kansas City, MO
michael.chanthamontry@gmail.com

David Foster — *Owner*
Foster and Associates
Springfield, MO
dfoster@fosterandassociates.net

Education

Summer 2011 — **Bachelor of Science**
Computer Science
University of Missouri,
Kansas City, MO

Fall 2007 — **Associate's Degree**
Computer Science
Missouri State University
Springfield, MO

Courses

Technical Writing

Database Design and Validation

Operating Systems

Computer Networking

Data Structures and Algorithms

Discrete Structures

Elementary Statistics

Applied Probability

Interests

Backpacking

Generative Art

Data Visualization

Software Synthesizers

Domain-Specific Languages

Event-Driven Architectures