

Tyler Oreskey

Software Engineer

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RECENT OUTCOMES

- **JavaScript & Node.js:** Designed, developed, and maintained a multi-tenant SaaS platform serving 500K users across 8 businesses, contributing to \$10M in revenue.
- **PostgreSQL:** Led the migration from SQL Server to PostgreSQL for a multi-tenant SaaS platform, ensuring seamless transition, performance optimization, and ongoing database management.
- **React.js:** Built and optimized a seamless gift card purchasing experience at TapOnIt, driving \$2M in revenue.
- **Agile (Scrum):** Led a team of five engineers to successfully develop and launch a fully functional trip-planning app within four months.

TECHNOLOGIES

- **Languages and Frameworks:** JavaScript, Node.js, RESTful APIs, Java, React.js, SQL, HTML, CSS, C++, Linux Command Line.
- **Development Techniques:** Agile methodologies, Object-Oriented Programming, Git, Test Driven Development (TDD).

RECENT PROJECTS & PROFESSIONAL DEVELOPMENT

Ice Cap Monitor

- **Task:** Built a data visualization platform to track and analyze changes in polar ice caps using satellite imagery.
- **Outcome:** Integrated geospatial datasets and predictive machine learning models to aid climate research.
- **Technologies:** Python, Java, Hadoop MapReduce.

Trip Planner

- **Task:** Developed a mobile trip planning app enabling users to create and optimize custom tours.
- **Outcome:** Optimized travel distances with heuristic algorithms, reducing travel time and improving user satisfaction.
- **Technologies:** Java, Spark, Junit, JavaScript, React, Jest, Node.js, MariaDB, Bootstrap, Mockito, Maven, JaCoCo.

EXPERIENCE

FULL-STACK DEVELOPER | TAPONIT MOBILE DEALS | DAVENPORT, IA

JUNE 2019 – OCTOBER 2020

- Developed and maintained a multi-tenant SaaS platform with 500K users and 8 businesses, generating \$10M in revenue.
- Led a database migration that cut DMS costs by 83%, modernized architecture, and optimized logic for long-term efficiency.
- Designed and launched an e-gift card platform supporting local businesses during the pandemic, resulting in \$2M in revenue.
- Implemented mobile deal reporting services for investors to view redemption and share stats, contributing to \$1.5M in revenue.

MICRO SOLDERER | HACH COMPANY | LOVELAND, CO

May 2016 - November 2016

- Assembled high-precision water quality testing electronics, hand-soldering surface mount and through-hole components.
- Monitored and operated wave solder systems to ensure optimal circuit board performance.
- Collaborated with engineers to improve manufacturing efficiency and product reliability.

EDUCATION

Colorado State University | GPA 3.8 | Graduated: December 2024

- Bachelor of Computer Science with a focus on Software Engineering.

Galvanize | Certification | Graduated: February 2019

- Completed a 6-month web development immersive program at Galvanize in Boulder, CO, focusing on building web applications with modern technologies.