

## Objective:

To solve technical problems in a way that helps humanity, particularly in cities. I provide value by understanding the big picture and then diving into the technical details.

## Skills:

- Excellent communicator, joyful, agreeable personality, enjoy working in cross-functional teams
- Intense curiosity for the inner workings of science and technology that leads to self-pursuit of knowledge
- Innovative and flexible tinkerer with 11+ years of engineering experience, enjoy seeking creative solutions to problems
- Programming experience in: Embedded C, Python, C#, Java, Visual Basic for Applications, Javascript, PHP, and SQL (Structured Query Language for databases)

## Key Technologies:

- Computer networks: wired and wireless
- Software: Web Service/Application, Desktop, Server, Embedded Firmware
- Databases: Relational and Document
- Embedded Processors and Peripherals

## White Paper Publications:

Civic OS: Open Source Software to Empower Open Governance ([link](#))

## Experience:

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SWIFTLET TECHNOLOGY LLC, FLINT, MI      FOUNDER & CEO      OCT. 2014-PRESENT

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**Independent Consultant working with small-to-medium-size businesses on technical needs. Engineering/Project manager coordinating between full-time staff and outside contractors.**

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TRUE LIGHT SYSTEMS, LLC, FLINT, MI      CHIEF TECHNOLOGY OFFICER      MAR. 2015-PRESENT

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**Oversee and assist in development of primary product and supporting system for photo printing kiosk.** Design and specify Express Photo Kiosk for wireless printing of smartphone photos as well as assist in the creation of that software. Work with software developers to obtain competitive bids and coordinate development. Develop software support systems for managing software kiosks (including synchronization of images and log files, remote monitoring)

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FACTORY TWO, FLINT, MI      TECH COORDINATOR      APR. 2018-PRESENT

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**Act as community leader for US Ignite's Smart Gigabit Community program in Flint.** Created the Flint Smart City Initiative to fulfill that program's objectives; Created and maintained a steering committee, planned and executed a pitch competition including prize money, started a regular tech-focused meetup series.

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PREDICTIVE FLEET TECHNOLOGIES, MIDLAND, MI      SOFTWARE ENGINEER      OCT. 2016-PRESENT

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**Design and implement software systems for engine analytics company.** Write server/web/desktop (C#/.NET, JS, R, SQL) software, debug existing code-bases, build new custom reporting system for customer-facing application, write signal processing and software interface for real-time data capture system.

