

Zachary Ferguson

Software Engineer in Durham, NC

PHONE 919-937-3554 | EMAIL zfergusonn@gmail.com | LINKEDIN <https://www.linkedin.com/in/zachferguson/>

Experienced software engineer with a demonstrated history of working in the photography industry. Skilled in solving problems with Javascript, Python, React, Node.js and SQL! Focused on being a valuable part of any team with a customer/user first mentality.

WORK EXPERIENCE

Lead Full Stack Engineer, Strawbridge Studios, Durham, NC - March 2020 to Present

- Designed and built an internal REST API & a suite of microservices to automate the creation of orders, service runs, items, and signoffs based on specific business logic. Each microservice was designed to be modular and independent using Node.js, Express, and MySQL.
- Improved the stability and reliability of critical workflows by analyzing and optimizing thousands of lines of code through code reviews and pull requests..
- Worked with a project manager in an agile setting using Jira as a lead engineer involved close collaboration and effective communication to ensure that project milestones were met and deliverables were of high quality.
- Collaborated on multiple React based user interfaces packaged and deployed with Electron to replace companies main legacy application.
- Wrote documentation for several projects and curated a knowledge base for the development team.
- Wrote and maintained scheduled scripts to automate data pulls and batch hundreds of thousands of orders using Node.js and MySQL, worked collaboratively with other developers at a web-based E-Commerce software company.

Technology Services Engineer, Strawbridge Studios, Durham, NC - March 2019 to February 2020

- Overhauled a legacy database to increase query performance by up to 98%.
- Provided technical support and information to over 500 users in production and field operations.
- Built several internal tools in Python using pandas, OpenPyXL and tkinter to track missing images, build filepaths and directories on a company wide server, and manipulate excel files based on business logic.
- Built and deployed a web app to store digital submission information from clients in a MySQL database using React, Node.js, and Express.

Digital Technician, Strawbridge Studios, Durham, NC - September 2017 to March 2019

- Provided digital record items to clients and streamlined workflow processes.
- Standardized and documented procedures across multiple production departments.
- Increased physical generation of service items by 115% with Visual Basic for Applications and Python scripts.

EDUCATION

Fullsail University, B.S. Game Art & Design, Winter Park, FL- January 2010 to March 2012

The Iron Yard, Back End Engineering with Python, Durham, NC - October 2016 to January 2017