Matthew Opie

Maine (Remote)

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Summary

Experienced Full Stack Software Engineer seeking remote development position.

4 years professional development and software design experience:
Angular, C#/.NET, TypeScript/JavaScript, Python, SQL, HTML (HTML5), CSS3

* Delivered multiple full features for company-leading profit center in HR/Tax/Payroll SaaS.
* Lead spikes to boost product performance by reducing load times by as much as 90% using Datadog and SolarWinds.
* Developed maintainable code with 95%+ test coverage using SOLID design principles.
* Mentored Junior/Mid level developers on my team to ensure successful sprints.

Comfortable with Object Oriented languages (Java, C#), as well as lower-level languages (C, C++).

Experience

Software Developer II

Greenshades Software

Nov 2021 - Present (11 months +)

Developed and delivered multiple key features for Payroll Saas web applications using Angular, C#, and SQL.

Seamlessly converted legacy .NET aspx settings pages to Angular, maintaining automation and test coverage.

Lead performance spikes to improve product reliability and performance using Datadog, SolarWinds,and Splunk, reducing load times by as much as 90%.

Frontend and backend development for primary profit center of the company, crafting SOLID, clean, maintainable, and self-documenting features using Agile methodologies in a CI/CD SDLC environment with 95%+ test code coverage.

Crafted, tested, and delivered backend and frontend for full retirement catch up code product feature, relied upon by thousands of employees.

Engineer 2, R&D

Johnson & Johnson Vision

Mar 2021 - Nov 2021 (9 months)

Integrated multiple MVVM applications under single package using .NET and C#.

Performed code reviews, wrote and performed software tests for R&D clinical lens inspection system in C#.

Developed, implemented, and tested machine vision inspection algorithms for Cognex Insight systems to ensure product quality standards.

Modeled, trained, and tested MATLAB machine learning algorithm for the detection of foreign matter within a sealed contact lens package.

Integrated C# thin client application for tracking of injection molding tooling to production system.

Leadership role in engineering and managing multiple $80K to $600K capital projects from funding request through system validation in Medical Device sector.

Co-inventor of novel machine vision techniques for the inspection of contact lens packages (US & international patents pending).

Implemented electromechanical and controls changes to improve daily production from 60,000 to over 120,000 parts while launching a state of the art R&D manufacturing line for new products.

Led international team to develop data collection and visualization systems using Tableau, SQL Server, and FactoryTalk Historian.

Wrote and maintained internal filesystem tool for organizing large datasets using Python 3 with Tkinter UI.

Associate Engineer
Johnson & Johnson Vision
May 2019 - Mar 2021 (1 year 11 months)

Jr. Electrical Engineer
Johnson & Johnson Vision
Aug 2018 - May 2019 (10 months)
Industrial hardware integration support, industrial machine vision, and software development.

Electrical Engineering Intern
Johnson & Johnson Vision
May 2018 - Aug 2018 (4 months)
Industrial automation, data optimization, system diagnostics, and software development.

Languages & technologies used: RsLogix5000/Studio5000, Python, C#/.NET 4.0, VBA

Electrical Engineering Intern
Andromeda Systems Incorporated
May 2017 - May 2018 (1 year 1 month)
Programmed and built multithreaded automated data collection system using Python 3, Linux, Apache, MySQL, and PHP.
Developed REST API in Python 3
Designed frontend administrative console using HTML, CSS, and asynchronous JavaScript (jQuery/jQueryUI/ajax).
Engineered schematic for collection of MODBUS data with Raspberry Pi 3 / Raspberry Pi Zero systems.

Education

University of North Florida
Bachelor's of Science, Electrical Engineering
2017 - May 2019
Dean's List: Spring 2017, Spring 2018, Fall 2018, Spring 2019
President of UNF Institute of Electrical and Electronics Engineers (IEEE) Student Branch (2018-2019)

Captain of UNF IEEE Robotics Team (2017-2018)

Okaloosa Walton Community College Collegiate High School

Associate of Arts (A.A.), General

Graduated High School with Associate's Degree

Licenses & Certifications

FPX (Flawless Project Execution) Certification - Johnson & Johnson

Skills

Programming • Angular • TypeScript • C# • Azure DevOps • Git • Representational State Transfer (REST) • API Development • JavaScript • Python (Programming Language)

Honors & Awards

Inspire Award - Johnson & Johnson Vision

Jul 2020

Internal company award given for key contributions to critical projects.

Inspire Award - Johnson & Johnson Vision

May 2020

Internal company award given for key contributions to critical projects.

Interdisciplinary Engineering - Best Senior Capstone Project - UNF College of Computing, Engineering & Construction (CCEC)

Apr 2019

The Automated Cutting System built on behalf of Polyhistor International, Inc. by a team of six senior engineering students won the award for best overall electro-mechanical engineering project for the University of North Florida in 2019.