

Tasos Stamadianos

Software Engineering Manager

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Engineering manager with extensive technical experience. Excels at recruiting high-performance teams to build features and solutions driving business value. History of developing healthy developer culture and advocating for developer needs and integration within a greater organization.

Skills

Languages: C#, Python, C, C++, Java

Software: PostgreSQL, MSSQL, EF Core, ASP.NET Core, Kafka, WPF, OpenGL, Direct3D

Services, OS & Tools: AWS, Linux, Git, Win32

Experience

Recurve Inc.

Software Engineering Manager – November 2022 to Present

- Integrated into an existing team and built trust and relationships with each team member
- Worked with product and business development stakeholders to define a concrete product direction
- Introduced a triage and open-forum approach to ad-hoc requests and sudden high-priority work, successfully enabling the team to focus on tasks without context switches
- Set up several team meetings including a general status meeting and a social meeting to build bonds and rapport among team members
- Enacted professional development processes through 1-1s and brag documents to track progress over the year
- Reduced bus factor of team through establishment of documentation standards for existing and future systems

Benevity, Inc.

Software Development Team Leader – March 2022 to Nov 2022

- Led interviews to hire a team to develop and deliver a greenfield feature for one of the largest clients of the company
- Leveraged and embraced team's knowledge of AWS Lambda and DynamoDB cloud services to develop a robust, loosely coupled microservice
- Developed and maintained relationships with technical architects, subject matter experts and stakeholders in existing company technology to thoroughly research approach integration
- Supported team with technical input and brokered connections to subject matter experts for development resources

CarbonCure Technologies

Digital Team Lead – January 2021 to March 2022

- Facilitated check-ins with team members to assess their sentiment about their working environment
- Mentored junior developers in architectural design, good programming practices, and how to be successful in a team environment

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- Implemented new team meeting strategies increasing overall effectiveness and engagement, while reducing meeting time by 40%
- Identified needs of the team and coordinated and led hiring process of developers and co-ops
- Continued to provide internal backend support and decision making
- Interfaced with external stakeholders to assist their onboarding with the platform

Backend Developer – January 2020 to January 2021

- Maintained legacy software scripts in Python and transitioned to an observable solution with systemd and error notification emails
- Designed and wrote a monolithic application in C# with ASP.NET Core and Entity Framework Core to provide a RESTful interface over insertion and consumption of all company data
- Worked with hardware consultants to design API endpoints and request bodies to support new generations of hardware
- Identified resource requirements and grew team from one individual to fifteen
- Deployed initial version of software backend to AWS using CDK

Ukko Agro

Backend Developer – March 2018 to September 2019

- Used Python and NoSQL to implement an automated pest prediction system aimed at helping farmers optimize pesticide application using a proprietary disease prediction model
- Integrated backend with Twilio to allow farmers to communicate through SMS
- Planned and implemented scale-up of product from 3 farms to 81 using Kafka-based events, Kotlin for infrastructure and Python for disease prediction models. PostgreSQL was used as an up-to-date cache of all Kafka events.

Pathcore Inc.

C++ Developer – April 2017 to March 2018

- Added support for numerous proprietary image file formats from a variety of microscope vendors
- Built application in C# ASP.NET Core for remote control of a digital microscope with live video feed through a browser
- Saved bandwidth and increased responsiveness by enabling image handling backend to send compressed data directly from a file to a remote client

Ludia Inc.

Game Engine Programmer – January 2016 to April 2017

- Restructured game engine to better suit functional testing and caught major bugs before production
- Added support for automated screenshots to facilitate deterministic graphics functional testing
- Integrated cross-platform normal mapping, leveraging texture properties of mobile GPU vendors

INVIVO Communications Inc.

Junior Interactive Media Developer – May 2015 to November 2015

- Developed an interactive display about the progression of MS on the brain, and provided live on-site support of the product at ECTRIMS 2015

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Consulting Projects

Nursing Home EMAR Tool

- Wrote a server-rendered app in Django to track Electronic Medication Administration Records (EMAR) for a Toronto-based pharmacy

Lemonade Prescription Pack Label Generator

- Developed a WPF application using C# to render and print a prescription pack label, containing patient and drug information details, using data from a MSSQL database
- Reduced the previously hour-long, end-of-day task to a few seconds whenever a label was required

Circumplex Generator

- Using Python, wrote an image renderer to generate and colour a circumplex graph
- Generated a professional, clean PNG image in 10% of the time required for a hand-drawn image

Parrot Prescription Dispensing Tool

- Wrote a native Windows application using C# and WPF to dispense from a robotic drug dispenser
- Enabled pharmacy technicians to fill 400 monthly blister packs in 25% of the time.

Squeezy Pharmacy Invoice Generator

- Developed a native Windows application in C# and WPF to generate invoices for blister pack orders
- Coordinated stock for 5 pharmacies by condensing over 800 vendor-specific files per week into a single Excel sheet, producing invoices for almost 67,000 doses of medication.

Personal Projects

Cat Food Tracking Application

- Used Flask and Bootstrap to create a server-rendered web application to manage a cat's diet
- Supports configurable diet plans and foods while providing feeding history over time

Education

University of Ontario Institute of Technology - September 2011 to June 2015

Bachelor's of Information Technology (Honours) - Game Development and Entrepreneurship