

# Jack Timmons

Senior Software Engineer

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## WORK EXPERIENCE

### Software Engineer III

JumpCloud

DEC 2021 - OCT 2023

- Lead the creation of new microservices using Golang, which consumed Kafka topics and Amazon SMS queues, to integrate with third-party SaaS applications.
- Contributed as a full-stack engineer to a Vue 2-based SPA and Node.js backend to introduce new features or fix existing bugs.
- Evangelized and successfully spearheaded the adoption of TypeScript into a currently existing Vue 2-based SPA.
- Volunteered as a representative for the internal UI Council, advocating for the adoption of TypeScript and other practices to make UI development smoother.

### Senior Software Engineer | Product Owner I

Beast Code

MAR 2018 - DEC 2021

- Provided guidance and reviews across multiple teams of three to seven people across a wide range of languages (C++, C#, SQL, TypeScript) and frameworks (.Net Core, Entity Framework, Vue 2, Vue 3).
- Created an interactive 3d-model viewer client in Vue 3, BabylonJS, and TypeScript. Viewer allowed user to take apart engines in a prescribed order.
- Led the pivotal NOBLE Phase 2/NMRO project, directing a multidisciplinary team in the migration from a Node.js-based solution to C# using Vue 2, Entity Framework, and .Net Core.
- Created in-house C# security package that allowed apps to seamlessly use authorization permissions when deployed to the military's AWS instance.
- As both Product Owner and Senior Software Engineer, I spearheaded the successful bid to secure the NOBLE Phase 1 contract, creating a user-friendly scheduling and maintenance app in Vue 2 and Node.js that won the contract.
- Created a shipyard reporting app in C#, .Net Core, Vue 2, and TypeScript.
- Established the web tech stack the company pivoted to as part of the company's maturation process.

### Lead Software Engineer

Bit-Wizards

JUN 2017 - MAR 2018

- Optimized the file access logic in a C++ app, allowing it to process images immensely faster.
- Took over a project in C#, .Net Framework inside of Kentico after the passing of the previous developer. Was able to get the project caught up and completed on time and under budget.
- Despite some adversity, was able to complete Phase 2 of the above project on time and budget.

## Lead Software Engineer

O.I.S. Media, Inc

MAY 2012 - JUN 2017

- Converted MedCruiter.com from ColdFusion to C#/AngularJS.
- Implemented and updated security measures to further secure user accounts and throttle spam traffic.
- Overhauled the outdated resume parsing solution, integrating with a third-party service, resulting in significantly improved parsing accuracy and efficiency.
- Maintained and improved job boards written in ColdFusion.

## Lead Web Developer/Manager

Passport America

FEB 2009 - MAY 2012

- Led the rewrite of internal Customer Service Representative (CSR) software from a collection of PHP scripts into the CakePHP framework.
- Redesigned the associated mail service website, implementing a customized scanning and storage solution, thereby enhancing efficiency and data management.
- Implemented mailbox rotation on a customized website, improving user experience and system organization.
- Additionally, created and managed multiple websites across various domains including social, sports, and business.

## SKILLS

**Languages:** C, C++, C#, CSS, Go, JavaScript, Lua, PHP, Pug, Rust, SASS, TypeScript

**Frameworks:** .Net Core, BabylonJS, Entity Framework, gRPC, Jest, Node.js, OAuth, OpenGL, Vulkan

**Databases:** MongoDB, MySQL, MSSQL, PostgreSQL, SQLite

**Cloud Platforms:** Azure, Amazon