Mike Suarez

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Professional Summary

Highly creative and enthusiastic Software Engineer passionate about continuous learning. Seeking a position at a forward-thinking company that values high-quality code delivered at a sustainable yet challenging pace. Excels in delivering efficient solutions by shortening feedback cycles and minimizing waste to promote continuous improvement.

Work Experience

Principal Software Engineer

UKG

2020 to Present

Ultimate Software merged with Kronos into a gigantic juggernaut to conquer the HRMS space. I took the helm of the Application team within the Recruiting module.

- Created the Lab, a virtual collaboration space where the team tackles complex problems using mob programming.
- Delivered Indeed's integration within a strict 3-month deadline by utilizing Kanban techniques, limiting work in progress, swarming on aging tasks, and employing Monte Carlo simulations for estimation.
- Simplified microservices integration by publishing fat events on Kafka Streams, reducing MongoDB usage by 10%.
- Integrated Copilot into multiple development workflows, enhancing TCR, TDD, BDD, and unit testing practices.
- Containerized the application by migrating deployments from on-premise VMs in OpenStack to containers in GCP, reducing deployment time from 40 minutes to mere seconds.
- Modernized the CI/CD pipeline by transitioning from TeamCity to GitHub Actions, decreasing overall run time from over 5 hours to under 1 hour.

Owner

Limadelic

2020 to Present

Founded a GitHub organization hosting 28 diverse projects over 15+ years. Collaborated with 8 contributors to create solutions spanning Twitter clients, board games, test frameworks, and programming languages.

- Cupid0: AI-powered job seeking agent. Automates job hunting by using AI to rate opportunities and tailor resumes. If you are reading this, Cupid0 has perfectly matched you with your ideal candidate.
- Corals: Sentient data structures. A DSL that facilitates declarative, data-driven coding. Used to extract business rules and represent them as structured data within the company.
- DatomicJS: Javascript driver for the Datomic database. Amidst the rise of React, Redux, ReactiveJS and Immutable.js I forsook a more pure functional immutable javascript. Consequently, I made the most promising immutable database available to the JavaScript community.
- Raconteur: Acceptance test framework for Visual Studio. Allows writing natural language specifications and converting them into XUnit tests. It's my most polished project, featuring multiple demos including a presentation at AgileConf.

- Decaf: JavaScript driver for Slim coded in CoffeeScript. Slim is the protocol used to communicate with Fitness, the most influential acceptance testing framework created by Uncle Bob, one of the original Agile manifesto signatories.

- FluentSpec: C# mock framework featuring a fluent DSL with BDD-inspired given/when/then syntax, offering cleaner and more expressive alternatives to RhinoMocks and Moq. Enhanced team testing practices until the adoption of NSubstitute.

Tech Lead

Ultimate Software

2014 to 2020

Embraced the DevOps movement by founding rCloud, a homebrewed PaaS platform, lifting a monolith from the '90s to the cloud. (CI/CD)

- Orchestrated UKGPro deployments on dynamic topologies in ESX, OpenStack, and GCP, reducing regression testing time from two months to one week.

- Designed HALO, an Angular reactive SPA, increasing the adoption of the platform by 20%.

- Organically grew the solution from a set of Rake tasks into a monolithic application, then modularized it into gems and a family of Ruby on Rails microservices around emerging Bounded Contexts.

- Relentlessly applied Domain-Driven Design (DDD), distilling business rules until developing Corals, a domain-specific language (DSL) that enabled expressing the Core Domain in a declarative way.

Senior Software Engineer

Ultimate Software

2008 to 2014

Joined the Ulti family in the midst of the Agile revolution. Drove DevOps and Kanban adoption, enhanced system efficiency, and pioneered Behavior Driven Development practices, fostering continuous growth and innovation.

- Pioneered DevOps adoption in collaboration with ThoughtWorks to develop Recruiting, the first module independent of the monolith, increasing the UltiPro suite's average price per employee by $5.

- Developed Droolz, a RESTful API for JBoss Drools, enabling the declaration and execution of business rules in an external DSL, which paved the way for extracting the Payroll process from the monolithic application.

- Refactored the primary bottleneck in the Map/Reduce algorithm that hydrated domain entities by effective date, enabling the use of MongoDB as an Event Store.

- Attended the first Kanban conference, adopted it within a team of 5, and scaled it to a team of 17, reshaping the company's approach to software development.

- Contributed to Gojko Adzic's book "Specification by Example", increasing Ultimate Software's exposure and helping define the practice of Behavior Driven Development (BDD).

Software Engineer

Alienware

2004 to 2008

Got abducted into the realm of machine assembly. Amped up processes, quality, and performance of software solutions geared toward elite hardware consumers.

- Optimized the Alienfactory provisioning process, reducing assembly time per machine by 25%.

- Introduced Agile by blending XP and Scrum, achieving immediate improvements in communication through daily standups and pair programming.

- Mastered Test-Driven Development (TDD) by mentoring peers in AlienLabs, fostering camaraderie and team spirit, and reducing defect count on a greenfield project by 80% compared to manually tested projects.

- Led the team to reengineer a legacy C++ account manager system into C# and simultaneously deliver WinForms and ASP.NET clients within four months.

Open Source Experience

Education

BS in Computer Science
University of Miami - Miami, FL

Skills

- Terraform
- Kafka
- Elixir
- GitHub Actions
- Chef
- Lean Startup
- Kubernetes
- Docker
- Typescript
- Angular
- Openstack
- .NET Framework
- Ruby
- Software Development
- Python
- MongoDB
- Jenkins
- MSSQL
- REST
- User Interface (UI)
- MVC
- C#
- C/C++
- Computer Science
- Kotlin
- Kanban
- TeamCity
- Ruby on Rails
- Elasticsearch
- SAFE
- Nodejs
- React
- Node.js

- DDD
- DCI
- GCP
- Nest
- Scrum
- XP
- AWS
- Event Driven
- CQRS
- Java
- .NET
- JavaScript
- RabbitMQ
- Copilot
- Postman
- Microservices