



# JAREDFIORALI

Solutions Architect

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## Summary

I am a motivated individual with over 13 years experience working in the tech sector. From application development to infrastructure design, I have experience in a wide array of technical fields. I am a proven project manager, with experience in managing several ongoing projects with numerous stakeholders. My experience has enabled me to not only understand application development principals, but also the requirements for the infrastructure that these applications run on.

## Strengths

- Full stack web developer with application development and IT experience
- Project manager who enjoys process and time-management improvement
- Continually striving for process improvement
- Self-motivated individual with great time management skills
- Skilled at communicating technical topics and working with diverse users, stakeholders, customers, and peers

## Employment History

2023 - Present **Catena Media - Solutions Architect**

### Key points:

- Involved in getting projects off the ground from a technical solution perspective, handing the project off to a dedicated team after a few months of work
- Created a custom analytics service, leveraging Github Actions to deploy to AWS ECR, and hosted using AWS SQS queues, ECS Tasks, and API Gateways

### Accomplishments:

- Lead technical architect for ad network redesign of the core company business
- Involved in leveraging Cloudflare workers to pre-render pages, improving core web vitals
- Implemented caching mechanism which improved response times by 10x, and significantly reduced server load at origin

2019 - 2023 **VerticalScope - Senior Software Engineer**

### Key points:

- Managed a Kubernetes cluster hosted in GCP which serves over 1200+ production sites, receives over 1 billion requests weekly, and 300+ TB of data transferred monthly
- Team lead for the forum-based platform, developed using a PHP backend and JS frontend
- Provided various technical training meetings for junior developers (Network fundamentals, DevOps overview, etc.)
- Key contributor to the next generation platform, leveraging Golang, GraphQL, and React
- Lead weekly release process to 1200+ production sites
- Frequently involved in hiring process for new employees

### Accomplishments:

- Technical lead for a project to develop a tool for config management, using Golang and React
- Developed a tool to dramatically reduce site downtime by 75% during daily releases, allowing for more ads to be served to users, generating new income of over six figures a year
- Lead the transition from weekly to daily platform releases
- Transitioned the team development tools from Minikube to Docker Compose, which dramatically improved the speed of the local development environment

2019 **DealTap Real Estate - Software Engineer - Manager**

### Key points:

- Provided insight in company direction when migrating services for US customers
- Involved in the successful integration between 2 major codebases (Golang and PHP)
- Conducted meetings between various offices to ensure a successful product release
- Conducted one-on-ones with direct reports, with the goal to further their skills

### Accomplishments:

- Successfully implemented an enhancement which sped up application load times by 50%, by including an offload cache-based mechanism for processing user data
- Finalized the conversion of the core application from a VM-based service to a docker-based container system, using an AWS hosted kubernetes cluster to deploy various environments



## Employment History (Continued)

2018 - 2019

### DealTap Real Estate - Lead Developer

#### Key points:

- Involved in planning future sprints for the team
- Lead bi-weekly deployments to production environment
- Responsible for the delivery of tasks assigned to the team
- Included in important interview decisions for prospective hires

#### Accomplishments:

- Participated in planning and execution of adapting the application for multi-province support
- Successfully released months of work in a key application milestone
- Fundamentally altered the application to allow for tiered subscription methods

2017 - 2018

### DealTap Real Estate - Senior Full Stack Developer

#### Key points:

- Developed an all-in-one solution for Real Estate Transactions
- Application back end designed in PHP (Phalcon framework), with Postgres as the DB
- Using HTML5, CSS3, and a custom Javascript framework for front end
- Next-generation application overhaul written in Go (Golang), GraphQL, and ReactJS
- Worked closely with Product and QA to ensure application was delivered to specifications
- Pioneered the implementation of RabbitMQ for off-loading non-critical tasks
- Proficient in git for local branch management, and BitBucket for remote repository hosting

#### Accomplishments:

- Integral part of the launch team for a major application release
- Involved in the research, design, and implementation phases for the next-generation rewrite of the application
- In the span of 3 months, was able to optimize the time it took to execute actions in the application saving anywhere between 25% to 75% of time per backend call

2015 - Present

### DigiHealth Solutions - Cofounder - Lead Full Stack Developer

#### Key points:

- Created Ontario's first cloud-based prescription portal, ScriptNow (<https://www.scriptnow.ca>)
- Developed Ontario's first connection between Doctor's note software (Oscar) and ScriptNow
- Prescription portal is designed using PHP, HTML5, CSS, Javascript with MySQL for the DB
- Worked closely with stakeholders (Doctors, Pharmacists, etc.) in order to meet expectations
- Designed and implemented the necessary infrastructure to run ScriptNow's cloud software
- Familiar with validation tests in order to verify that prescription data is unaltered in transport

#### Accomplishments:

- Ongoing development for a prescription portal used by 10+ Doctors and Pharmacists
- Developed around a security conscious design, using TLS 1.2 for transport security and at-rest encryption for sensitive patient data

2014 - 2017

### Baxter Corporation - Technical Analyst - Collaboration

#### Key points:

- Lead web developer for all internal and external sites in the entire Baxter Canada region
- Work with the business to design and develop SharePoint solutions for 500+ employees
- Develop and maintain websites using Javascript, JQuery, HTML5, CSS and REST API
- Build and maintain numerous public Drupal sites to showcase various products
- Manage several ongoing application development projects
- Planned the site migration for a company spin-off

#### Accomplishments:

- Created an automated vacation tracker entirely in Javascript and HTML5 for employees to request vacation, alert their manager for approval, and track used vacation days
- Designed and implemented a set of HR forms built in Javascript, C#, and HTML5 which enabled managers to submit job related change notices regarding their employees (new hire, promotion, termination, etc.)
- Created a product complaint and adverse event forms for sales representatives to report any discovered issues with products to the appropriate teams

## Education

2006 -2011

### Lakehead University

#### Bachelor of Computer Science (HBCS)

- Received additional credits in Mathematics

2009

### Ryerson University

#### Certificate in Project Management