

# David Kershaw

Solutions Architect / Full Stack Developer

## SUMMARY

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- 10 years of software development experience, building robust scalable cloud-native applications. Team player, leader, and innovator. Customer focused, committed to working with clients to deliver quality solutions quickly.

## WORK EXPERIENCE

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### Independent Contractor

Aug 2017 - Present

DMK Consulting

- Solely responsible for running an independent contracting business. Developing solutions for Fortune 500 Clients in the insurance, energy, and marketing industries. Specializing in Cloud/SaaS software development. Identity management, SaaS integrations, agile process, distributed systems, NoSQL, Kafka, event sourcing systems, microservices, production readiness, quality. Java, Javascript, Angular, Spring / Spring Boot, CI/CD. Managing AWS deployments microservices, using services such as EC2, Lambda, RDS, S3, ECS, Amplify and others.

### Cloud Platform Architect

Dec 2013 - Aug 2017

Ping Identity

- Responsible for leading the development of internal developer experience for an engineering group of 150 engineers. Environment included Docker, Gitlab, Gitlab CI. Integrated Devops / Quality / Security / Performance teams to help adapt to a continuous deployment model.  
Contributed to a platform architecture team, tasked with creating the new architecture stack and continuous integration/delivery pipeline. Presented to executive product leadership our engineering processes in a continuous delivery model, focusing on quality, auditing, ideation, governance, tasking.
- Lead architect, responsible for ten developers, of a microservice-based, RESTful API driven identity management service, designed to orchestrate on-premise and SaaS workforce identities. Wrote 3rd party integrations with SaaS APIs including Google, Azure Active Directory (O365), Workday, Salesforce, Evernote, Egnyte, Coupa, Zendesk, AWS, Box.

### Software Engineer

Jun 2010 - Dec 2013

Salesforce

- Responsible for the production and operation of several back-end services supporting the Salesforce Marketing Cloud Social Customer Service experience. Enabled customers to integrate their social media customer support with Salesforce, which allowed them to have more robust profiles of their customers.
- Developed highly scalable, back-end architecture for Marketing APIs, implementing social integrations with Twitter, Facebook and LinkedIn. Built and supported an asynchronous messaging architecture to support the guaranteed delivery of social messages, using ActiveMQ and Redis, participating in multiple complex production deployments.

## Software Developer

IFS Financial Services

May 2005 - Sep 2007

## EDUCATION

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### Master of Computer Science

Sep 2007 - May 2010

Dalhousie University

Studied outlier detection in multi-dimensional space. Wrote / published thesis

“Anomaly-Based Network Intrusion Detection Using Outlier Subspace Analysis: A Case Study”.

Springer Advances in Artificial Intelligence. Also studied genetic algorithms, data mining, graph theory, network intrusion/detection

### Bachelor of Computer Science

Sep 2000 - May 2005

University of New Brunswick