

Chris Dail

ENGINEERING LEADER · VP

Halifax, Nova Scotia

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Summary

Chris Dail is VP of Engineering at Motryx. He has 20 years of experience building software products in various engineering leadership roles. Chris has repeatedly built and scaled high-functioning teams that build great products using lean processes.

Experience

Motryx

Halifax + Remote

VP, ENGINEERING

March 2020 — Present

- Established and modernized agile software development processes using Kanban.
- Scaled hardware manufacturing and inventory management processes for the VitalVial hardware device.
- Oversaw data engineering operations including hemolysis prediction models.
- Secured R&D funding through SR&ED and grants (IRAP).
- Established cloud best practices around CI/CD, testing and automation.
- Established security standards, hiring and HR processes.
- Assisted in establishing company goals, KPIs, culture, core values and business strategy.
- Worked with product team to build, refine and continually iterate on the product roadmap.
- Acted as architecture and technical lead for cloud service, desktop application and hardware.
- Tech Stack: React, JavaScript, Python, FastAPI, Pandas, PostgreSQL, AWS ECS+S3+ALB, Terraform

Akiri

Moncton, NB

SENIOR DIRECTOR, SOFTWARE ENGINEERING

November 2017 — March 2020

- Scaled a multi-site (Moncton+San Francisco) engineering team from nothing to a team of 15 in one year.
- Established engineering process, culture and agile Software Development Lifecycle (SDLC) using Kanban.
- Built a cloud based (SaaS) network (SDN/SD-WAN) to allow customers to connect to multiple networks through a single gateway.
- Built a data request and integration layer for customers to exchange data using healthcare specific protocols (HL7, FHIR) with contracts that enforce data access restrictions.
- Built cloud offering using various Amazon Services such as: VPC, ALB, EC2, S3, Route53, RDS, Lambda, CloudWatch, Kinesis and SQS.
- Responsible for security of cloud environment and compliance with HIPAA, CIS, NIST and other security frameworks.
- Leveraged technologies such as Kubernetes, Docker, Terraform, Kotlin, Vertx, jOOQ and PostGreSQL

Dell EMC

Moncton, NB

DIRECTOR, SW ENGINEERING

November 2016 — November 2017

- Built and lead engineering teams and defined software development process and culture for a new high-scale streaming storage product.
- Built a platform for stream processing including UI, CLI, APIs, monitoring and management of Pravega and Flink. Platform extends DC/OS with authentication model and enterprise features.
- Leveraged technologies such as Mesos, Docker, Ansible, Dropwizard, Vault, InfluxDB, Elasticsearch.

EMC Corporation

Moncton, NB

DIRECTOR, SOFTWARE ENGINEERING

November 2014 — November 2016

- Instrumental in development of a rack-scale turnkey private cloud product based on OpenStack. Product combined hardware (compute+network+storage) and a software management layer.
- Initially started with a team of 10 direct reports with one manager focused on a small area. Quickly scaled the team to more than 40 engineers with 4 managers reporting to me.
- Responsible for hiring new engineers and for managing through two separate rounds of layoffs.
- Lead initiatives including creating a CI/CD pipeline and improving software development process.
- Technologies leveraged included Docker, Ansible, Dropwizard, Java, Python and Go-lang.

EMC Corporation

Moncton, NB

CONSULTANT SOFTWARE ENGINEER / DIRECTOR

January 2013 — November 2014

- Initial role was an individual contributor and architect. This morphed into management and a Director position as the team grew.
- Handled merging of the iWave product suite into a new EMC project that eventually became the ViPR product.
- Lead a team rewriting the ViPR UI.
- Lead initiatives to modernize software development methodologies, improve version control, build systems and development process.
- Lead initiatives creating an overall ViPR Platform for new products such as EMC Elastic Cloud Storage

iWave Software, LLC

SENIOR SOFTWARE ARCHITECT / CHIEF SOFTWARE ARCHITECT

Moncton, NB

February 2008 — January 2013

- Played both a management role and team lead/architect for the product
- iWave Storage Automator was a product for automating provisioning of Block and File storage and mounting these on servers through a self-service catalog.
- Responsible for the leading the architecture and design of the iWave Automator product, a low-code Business Process Integration and Run Book Automation engine.
- Initial role was Senior Software Architect. Responsible for the initial architecture and design of the iWave Adapters product, a suite of tools to facilitate ITSM integration and Run Book Automation.

Whitehill Technologies, Skywire Software

TEAM LEAD

Moncton, NB

August 2006 — February 2008

- Responsibilities also include refining requirements, researching new features and technologies, estimating work effort and providing leadership in the architecture, design and development of the product.
- Other duties include mentoring team members and providing product and technology training to other departments and customers.

Whitehill Technologies

SOFTWARE DEVELOPER

Moncton, NB

August 2003 — August 2006

- Primary development technologies used consist of XML, XSLT and XSL-FO.

Education

University of New Brunswick

BACHELOR OF COMPUTER SCIENCE

Fredericton, NB

Honors in Software Systems

September 1998 — April 2003

Skills

Management	Leadership, Strategy, Coaching, Risk Management, Problem Solving, Culture and Values, Team Building
Process	Agile, Kanban, Lean, Grants (IRAP, SR&ED), Scaling Teams
IP	Patents, Open-source Licensing
Security	Secure Software Development and Architecture, Security Process and Standards, Risk Assessment, HIPAA
Cloud	Cloud-native Architecture, Terraform, Amazon Web Services, OpenStack, Private Cloud
DevOps	GitHub/GitLab, GitOps, CI/CD, Monitoring, Alerting
AWS	EC2, ECS, ALB/ELB, S3, Route53, RDS, Lambda, CloudWatch, Kinesis, SQS, IAM, SES
Programming	Python, Kotlin, Java, JavaScript, Go, Groovy, Bash, SQL
Web APIs	REST, JSON, HTTP, Nginx, HAProxy
Containers	Docker, Kubernetes, ECS, DC/OS, Marathon/Mesos

Service

Scouts Canada

SCOUTER

Volunteer with local scouts troop

2014 — Present