**Matthias E. Johnson**  
[matthias@opennomad.com](mailto:matthias@opennomad.com)  
<https://opennomad.com/>

## Objective

I thrive working on interesting problems of scale and complexity. I desire to build platforms that matter and leverage modern technologies with a focus on simplicity and high degrees of automation.

## Experience

[**Independent DevOps and Cloud consultant**](https://matthiasjohnson.com/)

10/2015 - present

* **General Consulting**
* **Environment Deep Dives and Reviews**
* **Performance and Stability improvements**
* **CI/CD implementation**

**Site Reliability Engineering Architect -** [**ReactiveOps**](https://www.reactiveops.com/)

10/2015 - 12/2017

* **Client Consulting**
* **Development**

**DevOps Manager/Lead/Architect (title/role change) -** [**Catalyst Repository Systems**](http://www.catalystsecure.com/)

1/2012 - 10/2015

* **Architecture and Design**
* **Development**
* **Automation**
* **Monitoring and Reporting**
* **Management ...**

**Search Engine Architect / Manager of Search Team -** [**Catalyst Repository Systems**](http://www.catalystsecure.com/)

7/2007 - 8/2013

* **Search Engine Architect**
* **Monitoring and Reporting**
* **Automation**
* **Capacity Planning**
* **Supervision and Management**

**Manager of Linux Enterprise Hosting (title/role change) -** [**ViaWest, Inc.**](https://www.linkedin.com/company/viawest/)

3/2007 - 7/2007

* **Linux Architect**
* **Product Development and Planning**
* **Project Management**
* **Tier 3 support**
* **Mentoring**

**Manager of Technical Operations (title/role change) -** [**ViaWest, Inc.**](https://www.linkedin.com/company/viawest/)

6/2006 - 3/2007

* **Management of Senior Technical Customer Support Team**
* **Product Development and Planning**
* **Project Management**
* **Tier 3 support**

**Manager of Systems Administration (internal promotion) -** [**ViaWest, Inc.**](https://www.linkedin.com/company/viawest/)

8/2005 - 6/2006

* **Management of Systems Administration Group**
* **Product Development and Planning**
* **Project Management**
* **Tier 3 support**

**Systems Engineer -** [**ViaWest, Inc.**](https://www.linkedin.com/company/viawest/)

6/2004 - 8/2005

* **Senior Lead for Infrastructure Services**
* **Member of Hosting Group**
* **Strategic Research**
* **E-mail administrator**
* **Tier 3 support**

Prior work experience has been removed. For complete employment history please see the full version of [my resume](http://opennomad.com/resume).

## Technical Skills

I have experience with a tremendous number of systems, services, and languages. The following list is heavily abbreviated and reflects my current focus. The full version of [my resume](http://opennomad.com/resume) details many of these in the expanded experience section.

**Programming Languages**

Ruby, JavaScript, Bash, Perl, Python

**System Platforms**

Ubuntu, Amazon Linux, RHEL, Windows, Solaris, True64

**Technology Stacks**

AWS, Docker, Kubernetes, Terraform, Ansible, ELK

**Services**

Elasticsearch, Redis, RabbitMQ, Logstash, many RDBMS

## Education

**MS in Computer Science**

Minnesota State University, Mankato - 5/2000  
Completed thesis entitled [Knowledge extraction from Neural Nets through Graph Theory](http://matthiasjohnson.com/Extra/Research/Thesis/thesis-manuscript.html).

**BS in Computer Science**

Minnesota State University, Mankato - 3/1997  
Received grant for research on [Convex Subsets as a heuristic for Tournament Isomorphism](http://matthiasjohnson.com/Extra/Research/Tournaments/tournaments.html) presented as poster session at the 1996 Small College Computing Symposium in St. Cloud, MN. Another research project, related to Data Mining, on [Explanation Facilities in Neural nets](http://matthiasjohnson.com/Extra/Research/EBNN/ebnn.html) guided further research at Minnesota State University.

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