Daniel **Bodnar**

Solutions Architect · Site Reliability Engineer · Platform & Infrastructure Engineer · Linux Evangelist

About me

Self-taught expert in the IT sector with a unique combination of extensive hands-on experience and innate ability for abstract thinking. Professional journey spanning over two decades, defined by the development of a powerful mental framework that enables dissecting, analyzing, and solving complex technological challenges with exceptional efficiency.

Core Strengths

- 🧠 Rapidly understanding complex systems and envisioning comprehensive solutions
- 🔍 Identifying hidden patterns and connections within complex technological ecosystems
- ⚡ Transforming abstract possibilities into concrete, practical action plans
- 🛠️ Combining high-level architectural vision with low-level technical expertise
- 📈 Continuous optimization and improvement without disrupting established momentum

Contact

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Professional Experience

Founder, Cloud Architect, CIO
June 2021 – Current

BitBuilder Cloud, LLC   📍 USA
- Launched a web hosting and cloud consulting private SAAS company using 5 highly customized AMD & Dell based co-located servers
- Containerized and load-balanced several high-profile organizations with 1M+ global visitors/day
- Single-handedly built core services on co-located custom bare metal 3rd-gen AMD-based servers with over 2TB RAM, 320 cores, 64TB enterprise-grade NVMe storage
- Configured quad-port 25Gb/s ethernet + dual-port 100Gbe mellanox connectx-5 (OCP) NICs
- Orchestrated global scaling via a multi-cloud hybrid overlay layer based on custom k8s distribution and buildroot and WolfiOS (alpine-based) immutable linux operating systems
- Implemented constant monitoring and observability using Grafana, Prometheus, VictoriaMetrics, NetData, Jaeger

SRE, SysAdmin, and Platforms Engineer
April 2019 – June 2021

RSVP & ACT, Inc   📍 USA
- Managed and performance-tuned +3.5TB postgresql database cluster, MySql and SQLite databases
- Architected, deployed, and managed dynamically scaling, secure, and fully version-controlled hybrid and bare-metal kubernetes clusters
- Deployed and managed self-hosted gitlab instance with DevOps build pipelines and automatic blue-green deployments
- Implemented monitoring, alerting, logging, tracing, and observability tools
- Implemented and enforced gitlab-based Infrastructure-as-Code procedures and pipelines
- Deployed and managed multiple host, network, and container security tools and vulnerability scanners

IT Director
Jan 2018 – April 2019

Perspectives.org   📍 USA
- Developed 5 year vision, roadmap, and project plan to rebuild legacy monolithic .NET 3.5 application
- Increased cloud hosting capacity by 10x while reducing budget by 50%
- Reduced minimum page load time from 5 sec to an avg of 0.8s
- Built a DRM-secured offline-enabled streaming video player desktop app in Go

Professional Application Developer
Mar 2014 – Jun 2017

AT&T Corp.   📍 USA
- Full stack application engineer building custom web-based tools and services
- Managed entire project pipeline, from requirements gathering to production deployment
- Led team-wide migration from rails/mysql stack to node.js, angular.js, and mongodb
- Engineered a docker-based devops and deployment pipeline
- Architected and built a large-scale external "Order Status" application and a decoupled "microservice" pipeline

Key Projects

BitBuilder Cloud Platform
2021 – Current

BitBuilder Cloud, LLC
A vendor-agnostic, e2e encrypted, highly-available & globally distributed hyper-converged platform.

Large-Scale Database Management
2019 – 2021

RSVP & ACT, Inc
Managed and optimized a +3.5TB PostgreSQL database cluster with advanced performance tuning.

Cloud Architecture

AWS — Expert

GCP — Advanced

DigitalOcean — Expert

Vultr — Advanced

Cloudflare — Expert

Infrastructure & Containers

Kubernetes — Expert

Docker — Expert

Proxmox — Expert

ZFS — Advanced

Ansible — Advanced

Terraform — Advanced

Databases

PostgreSQL — Expert

MySQL — Advanced

SQLite — Advanced

MongoDB — Intermediate

Programming Languages

Go — Advanced

Python — Advanced

Node.js — Advanced

Bash — Expert

Monitoring & Observability

Grafana · Prometheus · VictoriaMetrics · NetData · Jaeger · ELK Stack · Zabbix

Security & Networking

Wazuh · OpenVAS · Nessus · Trivy · Vuls.io · Wireguard · Teleport · VPN · VLAN · InfiniBand

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2019 – 2021

Kubernetes Cluster Architecture
RSVP & ACT, INC
Designed and implemented dynamically scaling, secure, and fully version-controlled hybrid and bare-metal kubernetes clusters.

2018 – 2019

Legacy Application Modernization
PERSPECTIVES.ORG
Developed a plan to modernize a legacy monolithic .NET 3.5 application into 18 modern department & role-based portals.

2018 – 2019

DRM-Secured Video Player
PERSPECTIVES.ORG
Built a DRM-secured offline-enabled streaming video player desktop app in Go.

2014 – 2017

Order Status Microservice
AT&T CORP.
Architected and built a large-scale external "Order Status" application and a decoupled "microservice" pipeline.