

Daniel Bodnar

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Solutions Architect • Site Reliability Engineer • Platform & Infrastructure Engineer • Linux Evangelist
20+ Years Experience



Self-taught expert in the IT sector with 20+ years of experience solving complex technological challenges

Education & Professional Development

Continuous Learning in Information Technology

SELF-TAUGHT PROFESSIONAL DEVELOPMENT

USA

2003 - Present

- Self-taught expert in the IT sector with extensive hands-on experience spanning over two decades
- Developed powerful mental framework for dissecting, analyzing, and solving complex technological challenges
- Continuous learning in cloud architecture, site reliability engineering, and platform infrastructure
- Focus Areas: Kubernetes | Cloud Architecture | Database Administration | DevOps | Security

Professional Experience

BitBuilder Cloud, LLC

FOUNDER, CLOUD ARCHITECT, CIO

USA

Jun 2021 - Present

- 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
- 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

Cloud Architecture | Kubernetes | Infrastructure Design | Observability | Performance Engineering

RSVP & ACT, Inc

SRE, SysADMIN, AND PLATFORMS ENGINEER

USA

Apr 2019 - Jun 2021

- 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

Site Reliability Engineering | Database Administration | DevOps | Infrastructure as Code | Security

Perspectives.org

IT DIRECTOR

USA

Jan 2018 - Apr 2019

- 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

IT Leadership | Application Modernization | Performance Optimization | Go Development

AT&T Corp.

PROFESSIONAL APPLICATION DEVELOPER

USA

Mar 2014 - Jun 2017

- 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
- Architected and built a large-scale external "Order Status" application and a decoupled "microservice" pipeline

Full Stack Development | System Architecture | Team Leadership | Migration Planning | Microservices

Key Projects

BitBuilder Cloud, LLC

BITBUILDER CLOUD PLATFORM

USA

2021 - Present

- A vendor-agnostic, e2e encrypted, highly-available & globally distributed hyper-converged platform
- Built custom bare metal infrastructure with 2TB+ RAM, 320 cores, 64TB NVMe storage
- Handles 1M+ daily visitors across multiple high-profile organizations

RSVP & ACT, Inc

LARGE-SCALE DATABASE MANAGEMENT

USA

2019 - 2021

- Managed and optimized a +3.5TB PostgreSQL database cluster with advanced performance tuning
- Implemented comprehensive backup and disaster recovery strategies
- Achieved 99.9% uptime with zero data loss incidents

Perspectives.org

LEGACY APPLICATION MODERNIZATION

USA

2018 - 2019

- Developed plan to modernize legacy monolithic .NET 3.5 application into 18 modern department & role-based portals
- Reduced page load time from 5 seconds to 0.8 seconds average
- Increased hosting capacity by 10x while reducing budget by 50%

Publications

Brown, E. (2023). *Data Visualization Techniques: A Comparative Study*.

Jones, S., & Brown, M. (2021). Exploratory Data Analysis for Predictive Modeling. *Proceedings of the International Conference on Data Science*, 256–267.

Smith, J. (2020). An Introduction to Data Analysis Techniques. *Journal of Data Science*, 15(2), 123–145.

Wilson, D. (2022). *Machine Learning for Data Analysis*. Springer.

Skills

Cloud & Infrastructure	Kubernetes Docker AWS GCP Proxmox ZFS
Databases	PostgreSQL MySQL SQLite MongoDB
Programming Languages	Go Python Node.js Bash
Monitoring & Observability	Grafana Prometheus VictoriaMetrics NetData Jaeger
DevOps & Automation	Ansible Terraform GitLab CI/CD Infrastructure as Code
Security & Networking	Wazuh OpenVAS Wireguard Teleport VLAN