Daniel R. Murtha

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github.com/Demonslyr

Skills:

Languages: C# .Net Core/Framework, Node, Reactjs, Typescript, MSSQL, PostgreSQL, DynamoDB, Python, LaTeX, C++, Java, Haskell

Tools: AWS Cloud Development, Kubernetes, Docker, Jenkins, Octopus Deploy, Argo CD, Linux, Windows, OSX, New Relic, Splunk, Elasticsearch, RabbitMQ, IdentityServer4, Redis, SocketIO, Github, Postman

Other: Eagle Scout, Japanese, Professional Scrum Master I, HAM Radio Tech

Education:

University of Kansas; Bachelor of Science in Computer Engineering GPA: 3.33 — Graduated 2016
Kansas City Kansas Community College; Associates of Science — Graduated 2010
J.F. Obirin; Study Abroad - Intensive Japanese Language Study — Summer 2016

Professional Experience:

Cox Automotive – Lead Software Engineer, Scrum Tech Lead — Dec 2021 – Present
Mission, KS 66202

- Created and maintained the DirectMail marketing channel for our tool serving over 230 dealers.
- Set up Snowflake queries to share marketing platform segments with advertising teams.
- Maintained a URL redirect service that handled call-to-action click events, created leads, and redirected users to configured landing pages.
- Facilitated multiple application knowledge transfers and handoffs as my team was refocused on another project.
- Fostered a collaborative environment where questions were encouraged and clarity, measurable requirements, and open communication were prioritized.
- Prioritized work distribution to challenge and grow developers, balancing productivity with opportunities to work on less familiar tasks and technologies.
- Supported other development teams in implementing free-text search using Mongo Atlas for our consumer data store and new AWS workflows for sales data ingestion.

Cox Automotive – Senior Engineer, Scrum Tech Lead — Mar 2020 – Dec 2021
Mission, KS 66202

- Led a high-performing team of developers to enhance and maintain an AWS-hosted automated marketing platform.
- Mentored mid-level and junior developers to enhance their skill sets and advised them on growth opportunities.
- Planned and negotiated with stakeholders and senior leadership to prioritize upcoming features and epic-level work.
- Coordinated cross-team collaboration for shared and dependent feature development.

VinSolutions – Software Engineer I, II — Aug 2016 – Mar 2020
Mission, KS 66202

- Established standards for CI/CD processes as well as application structure, logging, and monitoring.
- Developed multiple integrations with third parties and sister business units to unify previously disparate experiences across the company's user-facing products.
- Maintained and enhanced background workflows for tracking and predicting customer equity data for marketing services.
- Designed and delivered the company's first soft-pull integration, allowing users to offer real-time pre-qualification services.
- Enhanced a high-value marketing segmentation and delivery engine, enabling customers to create focused marketing campaigns.
- Developed the company's first cloud-based content management system for storing and serving terabytes of data, handling increasing demand without overwhelming existing hardware.
- Owned and expanded a developer portal used by 18 development teams, managing application deployments and providing a dashboard with near-real-time overviews and deployment histories.
- Built a service layer for the developer portal to replace integration with Zapier, which increased responsiveness and reduced costs.

VinSolutions – DevOps Developer — May 2015 – June 2016
Mission, KS 66202

- Developed a .NET web application to automate manual deployments and save developer time.
- Collaborated in an agile development team to maintain the VinSolutions CRM.

Projects:

Unnamed Project: React Native mobile application supporting professional and amateur mixologists, hosted in Kubernetes.

Atriarch Simc: A ReactJS, C#, and Node service utilizing an asynchronous architecture to simulate game characters using SimulationCraft via a web interface.

OWOConverter: A fun serverless application used to evaluate the ease of development with kNative, a serverless framework for Kubernetes. Converts 500-word Lorem Ipsum paragraphs at around 1,000 requests per second.

UAV Radar Detection: Augmented a UAV flight computer with object detection/tracking and collision avoidance using an NVIDIA Tegra K1.