



John Venice

Senior Software Engineer

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📍 Portland, OR

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EXPERIENCE

Senior Software Engineer · Engine.com

2025 – Present

- ▶ Build and maintain a React/TypeScript frontend on an AWS-backed platform, paired with a Rails backend that powers traveler workflows and itinerary management
- ▶ Extend the Rails backend with new validated API routes, database integrations, and removal of deprecated code paths and associated tests
- ▶ Led backend development in Nest.js and contributed to a full application modernization that drove a 15% uplift in customer conversion, reaching 35% on the latest iteration
- ▶ Architected a BFF shim layer to decouple frontend delivery from in-progress backend API redesign, enabling parallel development across teams
- ▶ Replaced Jest with Vitest, cutting test suite runtime by 30% while increasing coverage; introduced Playwright for full end-to-end regression testing
- ▶ Authored 100k+ lines across the primary repository and 50k+ across supporting repos — standardizing test patterns, enforcing naming conventions, and eliminating tech debt from a rapid platform migration

Senior Software Engineer III · Nike, Inc.

2022 – 2025

- ▶ Delivered frontend features in React and TypeScript using Vite, deployed on AWS infrastructure
- ▶ Spearheaded a full modernization of legacy applications, replacing outdated patterns with scalable, maintainable architectures
- ▶ Defined and enforced infrastructure standards that reduced AWS hosting costs across multiple services
- ▶ Established code quality guidelines emphasizing reuse and minimal repetition, measurably reducing tech debt over time
- ▶ Implemented Playwright automated testing for the team and championed adoption across adjacent engineering groups
- ▶ Mentored junior engineers through pairing sessions and thorough code reviews, accelerating their growth and contribution
- ▶ Provided cross-team support to Nike developers working with shared internal tooling and libraries

Senior Fullstack Engineer · Siemens DISW

2021 – 2022

- ▶ Owned full stack delivery across Node, Python, and React, with deep focus on AWS DevOps and infrastructure automation
- ▶ Led a platform-wide migration of DISW Virtual Labs off VMware and Citrix, re-architecting the system on AWS to eliminate vendor lock-in
- ▶ Redesigned the end-to-end AWS state machine governing user signup, environment deployment, assignment, provisioning, and per-team customization
- ▶ Remodeled hundreds of VM images and authored control-plane scripts for both Windows and Linux environments
- ▶ Stood up a new PostgreSQL database with schema design, replacing legacy data layers and refactoring thousands of lines of outdated code
- ▶ Replaced an outdated 6,000+ line CloudFormation stack with AWS CDK, improving maintainability and deployment confidence
- ▶ Re-architected the deployment pipeline to support per-site releases, eliminating costly full-environment redeployments
- ▶ Initiated the frontend redesign and migrated workloads from Azure to AWS, aligning the platform with organizational cloud strategy

PRIOR ROLES

Senior Software Engineer II (Contract)	Nike, Inc.	2020 – 2021
Senior Fullstack Engineer	CMD Agency	2020
Senior Backend Engineer	Foureyes	2020
Principal Engineer (Fullstack)	Nomadic VR	2017 – 2020