

Nathaniel Bryant

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Software Engineer with 5 years of experience building backend platforms, REST APIs, and developer tooling. At Smartcar, led major system migrations and infrastructure changes under tight deadlines. Built event-driven systems, SDKs, and large-scale integrations used by developers worldwide.

SKILLS

- ❖ **Languages:** JavaScript/TypeScript, Node.js, Python, Rust, Bash
- ❖ **Backend & APIs:** REST APIs, Webhooks, Event-Driven Systems, SDK Development
- ❖ **Databases & Data:** Postgres, Redis, SQL/NoSQL, Caching, Schema Design & Migrations, BullMQ
- ❖ **Infrastructure & DevOps:** AWS (S3, Lambda, DynamoDB, SQS, SNS, Redshift, CloudWatch, CDK), GitHub Actions, Buddy CI
- ❖ **Tools:** Linux, Git, Docker, Observe, OpenTelemetry

EXPERIENCE

Software Engineer II, Core API @ *Smartcar* Jan 2023–Mar 2026

- ❖ **Webhook Infrastructure** - Co-architected Smartcar's **event-driven webhook** system enabling rule-based delivery of vehicle data to developers at scale, achieving 2000+ events/sec in alpha.
- ❖ **System Overhaul** - Led simultaneous database and tooling migrations under tight deadlines, cutting costs by \$300k/yr. Used metaprogramming techniques to minimize required code changes across services.
- ❖ **CI/CD Modernization** - Led migration to a modern CI/CD platform with parallelized pipelines, cutting build times from ~20 to 10 minutes and enabling multiple concurrent builds that eliminated deployment queues.

Software Engineer I, Platform @ *Smartcar* Jan 2022–Dec 2022

- ❖ **Integration Expansion** - Led and contributed to dozens of OEM vehicle integrations—including all European manufacturers—enabling Smartcar's expansion into the EU market and requiring integration with diverse third-party interfaces including REST, GraphQL, gRPC, WebSockets, MQTT, and Protobuf.
- ❖ **Adaptive Strategy** - Engineered a resilient authentication system to automate complex OEM web login flows using techniques such as pub/sub messaging.

Associate Engineer, Platform @ *Smartcar* May 2021–Dec 2021

- ❖ **SDK Development** - Rebuilt the official Smartcar **Python SDK** used extensively in production by customers, improving stability and developer experience; additionally authored the Smartcar **Rust SDK**.

Benefits Coordinator @ *Pacific Dental Services* Aug 2018–May 2020

- ❖ **Workflow Optimization** - Created reusable templates and pricing calculators that streamlined benefits calculations and reduced appointment durations.

EDUCATION & CERTIFICATIONS

Software Engineering Certification @ *Springboard* 2021

Bachelor of Science, Biochemistry @ *University of Michigan* 2014