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FULL STACK SENIOR SOFTWARE ENGINEER

Proactive Full-Stack Senior Software Engineer with significant experience in the Software Development Lifecycle (SLDC), process improvements, and testing. Possesses a background in Developer Tooling, Distributed Systems, Domain Driven Design, and Front-End Engineering. Adept at partnering with cross-functional teams on various initiatives, including driving migrations. Proven ability to architect key technical solutions end-to-end from front-end to back-end architecture, development, cross-functional product, design and engineering collaboration, monitoring, and feature delivery.

KEY SKILLS

TypeScript/JavaScript | React & Next.JS | Go | gRPC | GraphQL | Python | Kafka | SQS+SNS | SQL & MongoDB | Rust

EXPERIENCE

GoodRx Holdings, Inc. (GoodRx), New York, NY   **06/2023 – 12/2024**
Worked on the full stack of GoodRx's Gold Subscription product.

- Led the development of a new microservice utilizing gRPC and Apache Kafka (Domain Driven Design as well, using the Hexagonal and Clean Architectures) handling a high volume of customer subscriptions and payment transactions with the payment processor.
- Contributed to Front-End architectural changes to migrate our state management and component architecture to comply with NextJS 14+ and Server Components.
- Migrated architecture from two extensive monolithic applications for both the Frontend and Backend to a domain-owned monorepo with React and NextJS with Server Components and Actions on the Frontend and an event-driven distributed microservices architecture on the Backend with gRPC and Apache Kafka.
- Contributing to our infrastructure with Terraform, Ansible, AWS, Protobuf, and Fastly.
- Compute@Edge, Docker, and Kubernetes, Kafka, gRPC, Next.JS, React, GraphQL
- Work in Go, Python, TypeScript, Node.JS, gRPC, Apache Kafka, React, and GraphQL
- Mentored Associate and Junior Engineers, as well as interns to help increase performance, knowledge, and engineering growth. Conducted one-on-one mentoring which led to a positive impact on manager feedback.

Meta Platforms, Inc. (FKA Facebook, Inc.), New York, NY   **01/2022 – 06/2023**
Work Full Stack on Kustomer, the CRM Platform within the platform automations domain.

- Led large-scale projects within the automated business rules domain, encompassing multiple backend services across the platform's large distributed system architecture and frontend work in React, including testing improvements and state management migration.
- Contributed to internal frontend design system, Kanvas.
- Built and integrated multiple developer tools to increase developer experience across the Front-End and Back-End (Full-Stack).
- Led an initiative for adding end-to-end type safety with TypeScript and OpenAPI specification within backend services (allows for SDK generation and Contract/Schema Driven Development).
- Worked cross-functionally with other engineers, product managers, engineering managers, and stakeholders on the product to enforce strong collaboration and communication across the product roadmap and feature development.
- Mentored Associate Junior Engineers, which ensured further career growth and Full-Stack Engineering experience.

Northwestern Mutual Life Insurance Co., New York, NY   **07/2020 – 12/2022**
Senior Software Engineer
Built and maintained multiple Node JS tooling solutions for the developer experience of every internal PX application, including CLIs and dev servers.

- Rearchitected large-scale PX application development architecture, to follow a microservice and micro-frontend architecture for faster CI/CD and team autonomy.

Northwestern Mutual Life Insurance Co., New York, NY   **07/2020 – 12/2022**
Senior Software Engineer (Continued)

- Rearchitected a large PX UI application to utilize redux as a global state management solution for further feature development and async data fetching, specifically focusing on Redux Toolkit, React Query, and TypeScript integration.
- Co-authored a large Node JS REST and GraphQL reverse proxy API gateway server to source data from many internal critical Northwestern Mutual APIs, as well as multiple API endpoints and admin tooling within PX to power multiple UI applications on the newly designed application architecture.
- Provided Unit Test and API test coverage to multiple back-end and front-end applications and services within the Planning Experience (PX) team to ensure software quality and product uptime.
- Used GitLab CI, Docker, and Kubernetes for application deployment and CI/CD practices.
- Focused on building out new features in primarily the MERN (MongoDB, Express, React, NodeJS) Stack, with an emphasis on TypeScript.
- Maintained tooling, scripts, and build pipelines for Planning Experience (PX) Node services and UI applications, focusing on optimizing PX CI/CD pipelines and delivery process.
- Focused on how to make the architecture and platform stronger with type systems (TypeScript), GraphQL service layers, and shared dependencies that can be utilized at run-time and/or build time.
- Mentored other Software Engineers within the company and team to help them grow their skills and passion for Software Engineering.

ADP, Inc., Roseland, NJ   **01/2020 – 07/2020**
Senior Application Developer - Contractor
Worked on a large-scale internal full-stack web application, while supporting customer service representatives.

- The application is built on the MERN Stack, utilizing a large Back-End Microservice API architecture, both in REST and GraphQL, along with MongoDB as our primary database solution. Frontend built-in React, Redux, as well as Apollo Client for GraphQL data fetching and client-side caching.
- Utilized many other services for logging, exception tracking, containerization, testing, and CI/CD pipeline/deployment strategies.
- We had significantly increased our overall unit test coverage and API test coverage for multiple microservices and implemented a test-driven development strategy for new features and bug fixes.
- I also have assisted in adding new user roles, API guards, server-side middleware, UI features, Logging Dashboards, and bug fixes. (GraphQL and REST).
- Assisted in writing documentation for undocumented APIs.

EarthCam, Upper Saddle River, NJ   **10/2018 – 11/2019**
Junior Web Developer
Maintained multiple large applications.

- Concentrated on the Front-End and building multiple large-scale Web Applications with HTML5, CSS3, and JavaScript (ES5 and ES6+).
- Concentrated on converting an Angular 1 application to Client-Side Rendered React.
- Introduced Global State Management to the application through Redux and POC with Context and React Hooks..

EDUCATION

Master of Science (MS), Information Communications Technology, Web Development, Magna Cum Laude
University of Denver, Denver, CO

Bachelor of Arts (BS), Interactive Digital Design - UX/UI Design
Quinnipiac University, Hamden, CT

TECHNICAL COMPETENCIES

Programming Languages
TypeScript and JavaScript | Golang | Python | Rust

Frameworks and Libraries
NodeJS | React | Next.JS | Svelte | Angular | GraphQL | gRPC | Redux, Zustand and other State Management | Django | Pyramid | Express | NestJS | Fiber | Gin | ConnectRPC | Tonic + Prost | Axum | Actix Web | Clap

Architectures
Domain-Driven Design & CQRS | Event-Driven Architecture | Hexagonal Architecture | Clean Architecture | Modular Monolithic Architecture

Databases
PostgreSQL | MySQL | MongoDB | DynamoDB | SurrealDB | Neo4J

Developer Tooling and Infrastructure
Turborepo | Nx | AWS (SNS, SQS, S3, ECS, EC2, Lambda) | CI/CD | CLIs | Fly.io | Terraform | Docker | Kubernetes

Operating Systems
Unix | Linux | MacOS | Microsoft Windows | iOS | Android