Nicholaus Marsden
Senior Software Engineer
Nicholausmarsden.career1@gmail.com | linkedin.com/in/nicholausmarsden | 818-314-7329

Senior Software Engineer (6+ years) specializing in large-scale distributed systems, micro-frontend architecture, AWS serverless applications, high-performance services, and database optimization for enterprise-scale platforms

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TECHNICAL SKILLS

JavaScript, TypeScript, Java, HTML, CSS, React, Angular 6/18, Redux, NGRX, NodeJS, Express, Fastify, Spring Boot, RESTful APIs, Redis, Kafka, SQL (Postgres, MSSQL, MySQL), NoSQL (CouchDB, MongoDB, DynamoDB), Testing Framework (Jest, Jasmin, Mocha, Cypress, Cucumber), Docker, Kubernetes, AWS, Azure, Story Book, Camunda Cockpit

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PROFESSIONAL EXPERIENCE

Capital One | Senior Software Engineer   July 2024 – Present

- Built and delivered an end-to-end risk management application using Angular 18, NgRx, Fastify, Node.js, Spring Boot, AWS Lambda, and PostgreSQL, ensuring scalability, maintainability, and cross-team reusability.
- Improved system performance by 15% overall, reduced large bundle execution time by 50%, and increased reliability by 5% through caching strategies, reduced network overhead, and optimized database queries.
- Designed high-quality PostgreSQL indexes, constraints, and transaction logic via TypeORM, strengthening data integrity and significantly improving query execution times.
- Implemented workflow automation integrated with Camunda Cockpit, supporting both automatic and manual claim decisioning across multiple business groups.
- Owned production deployments, CI/CD updates, application monitoring, and incident resolution using CloudWatch metrics and distributed tracing.

Cricket Wireless | Full Stack Engineer | Atlanta, GA   Feb 2024 – July 2024

- Developed wearable features with React/TypeScript and integrated frontend with backend services, enhancing UX across 15+ pages and supporting 40K+ daily users.
- Modernized a legacy codebase, reducing new feature implementation time by 20–30%.
- Strengthened application stability by expanded automated test coverage, and strengthened WCAG-compliant accessibility features, increasing reliability and reducing defects.

Universal Orlando Resort | Senior Software Engineer | Orlando, FL   Aug 2023 – Feb 2024

- Created RESTful APIs with Node.js/Express/Azure to interact with third-party APIs and data stored in CouchDB and MSSQL.
- Built a Kafka event processor with Node.js and Azure, scaling ticket throughput to 150+ per second and enabling smoother guest transactions during peak hours.
- Architected backend integrations consumed by React/Angular apps, ensuring low-latency data flow and consistent API contracts.

IBM | Software Engineer | Sandy Spring, GA   Feb 2022 – Aug 2023

- Contributed to a $3B ecosystem modernization initiative, delivering scalable application features using React, Node.js, Spring Boot, Docker, Kubernetes, Kafka, and IBM Cloud.
- Lead migration of 90K+ enterprise opportunities to next-generation incentive systems using automated TypeScript/Node.js pipelines.
- Improved UI/UX by building dynamic forms, filters, transitions, and role-based permissions, significantly enhancing navigation and user adoption.
- Implemented complex business logic for approvals, incentive calculations, exchange rates, and partner workflows.
- Deployed and maintained cloud-native microservices using AWS, Kubernetes, Docker, Jenkins CI/CD pipelines, and infrastructure-as-code practices with Terraform and Helm.

Stanley Black & Decker | Software Engineer | Atlanta, GA   Oct 2020 – Feb 2022

- Built a manufacturing analytics platform using React, Vue.js, Node.js, and MSSQL to improve visibility, capture responses, and streamline claims processing.
- Designed SQL ER diagrams and APIs to support data collection and processing workflows throughout the application.

Itlize Global LLC | Full Stack Developer | Piscataway, NJ   Jun 2019 – Oct 2020

- Delivered internal management system and multi-tenant apps with React, Angular, Spring Boot, Node.js, and AWS, supporting employee tracking, feedback, security, and role-base access

EDUCATION
B.S. in Computer Engineer, University of Arkansas   May 2019

CERTIFICATIONS
AWS Certified Developer - Associate   June 2024