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Senior / Staff Full-Stack Engineer

Summary

Software engineer with 20+ years of commercial experience and nearly 30 years of programming experience across frontend, backend, architecture, and technical leadership. Strong background in React/TypeScript, Java/Spring Boot, Node/Nest, platform modernization, design systems, and complex business-critical systems. Built and delivered products in fintech, cybersecurity, ERP/SaaS, insurance, scheduling, pharma, ad tech, and crypto domains, often in remote contractor roles requiring autonomy, speed, and broad ownership. Open to remote B2B contract roles, available within 30 days.

Core Skills

Frontend: React, TypeScript, Next.js, Angular, Material UI, Redux Toolkit.

Backend: Node.js, Nest.js, Java, Spring Boot, LoopBack 4.

Data: PostgreSQL, MySQL, MongoDB, Cassandra, Solr, Elasticsearch.

Architecture: Microservices, API Integrations, Design Systems, Search-Driven Applications, PDF/Data Processing, Platform Modernization.

Delivery: Team Leadership, Technical Direction, CI/CD, Cross-Functional Collaboration, Contract Delivery, Code Reviews, Mentoring.

Selected Highlights

- Delivered and modernized software across fintech, cybersecurity, insurance, ERP/SaaS, ad-tech, scheduling, pharma, and crypto projects.
- Combined strong frontend depth with backend, integration, and platform-level ownership across multiple remote contract engagements.
- Led small engineering teams and helped raise code quality, architecture, consistency, and delivery standards.
- Built systems involving search, document processing, mapping, reporting, invoicing, standardized APIs, and cross-system workflows.
- 20+ years of commercial engineering with strong adaptability across stacks, domains, and product environments, backed by nearly 30 years of hands-on programming experience.

Experience

Senior Software Engineer (Contract) - Japan-based Investment Bank **Oct 2024 - Present**

- Maintain and enhance 4 connected applications supporting a multi-asset trader platform covering cash, derivatives, and government bonds.
- Deliver new functionality, optimize existing workflows, improve queries, and refine architecture across a regulated capital-markets environment.
- Work across frontend and backend concerns while improving performance, maintainability, and integration quality.
- **Stack:** Java, Spring Boot, TypeScript/JavaScript, Angular, Material UI, Kendo UI.

Team Lead (Contract) - US-based Cyber Threat Intelligence Company (Remote) **Feb 2023 - Oct 2024**

- Led a 4-engineer UI squad across multiple applications and worked closely with UX/design and backend teams to improve technical consistency and delivery quality, while influencing and guiding roughly 15 engineers across frontend, design, and adjacent technical workflows.
- Defined coding standards, established code review practices, and introduced a stronger frontend architecture and modernized tooling.
- Helped formalize a company-wide design system and standardized frontend-backend API integration patterns through OpenAPI-based client generation.
- Mentored frontend engineers and UX/design contributors while driving maintainable implementation practices.
- **Stack:** TypeScript, React, Material UI, Redux Toolkit, Vite, Lexical, Lucene, Chart.js, OpenAI, Virtuoso.

Senior Frontend Engineer (Contract) - Goldie / Appointmentfix **Mar 2022 - Dec 2022**

- Built the web version of a scheduling platform from scratch based on an existing mobile product.
- Collaborated closely with backend engineers to shape a more standardized API for web and future client applications.
- Delivered appointment booking, calendar integration, and email/SMS notification flows.
- **Stack:** TypeScript, React, Next.js, Material UI.

Senior Software Engineer (Contract) - European Insurance Aggregator (Remote) **Mar 2021 - Mar 2022**

- Built and maintained the core booking engine used to compare and purchase insurance policies across providers.
- Contributed features, fixes, and ongoing platform improvements in a microservices environment.
- **Stack:** TypeScript, Nest.js, Microservices, SAGA, Jest.

Senior Software Engineer / Team Lead (Contract) - Creatopy (Remote) **Oct 2020 - Mar 2021**

- Assembled and led a team of 5 engineers to upgrade parts of the technology stack and revamp the ad design automation platform.
- Delivered sustained improvements in quality, maintainability, and performance.
- **Stack:** TypeScript/JavaScript, React, Node.js.

Software Architect / Team Lead (Contract) - US-based Company (Remote) **Nov 2019 - Oct 2020**

- Defined the architecture and led the technical implementation of a greenfield ERP/SaaS platform built for large-scale public-sector infrastructure workflows.
- Built the platform end-to-end, including real-time map-driven progress tracking, production reporting, invoicing, and field-operations workflows.
- Designed and implemented a geospatial planning tool that ingested urban-planning PDFs, aligned them onto OpenStreetMap / ArcGIS views, and enabled managers to plan, estimate, and track infrastructure work directly on the map.
- Implemented PDF work-order ingestion, geo-location workflows, and automation features supporting project build-out and operational tracking.
- **Stack:** TypeScript/JavaScript, LoopBack 4, Node.js, MongoDB, React, PDF-lib, Canvas, Adobe PDF Tools, D3.js, exceljs, GridFS, Puppeteer.

Earlier Experience

- **Software Architect / Team Lead - Dr. C.A.R.M.E.N. (2018 - 2019):** Led work on a pharma effects analysis and recommendations platform.
- **Software Architect / Team Lead - [e-spres-oh] (2014 - 2018):** Led development of a multi-industry booking analytics and indexing system.
- **Senior Software Engineer - BTCXchange (2013 - 2014):** Built the frontend for Romania's first Bitcoin / altcoin exchange platform.
- **Senior Software Engineer - Cleverbug (2011 - 2013):** Contributed to large-scale consumer web platforms and product delivery.
- Additional earlier experience includes Lateral Inc., Neobyte Solutions, and Interobiz.

Education & Development

- Machine Learning - Andrew Ng (Stanford, online).
- Ongoing self-directed learning across AI, data-heavy systems, and modern web platforms.

Languages

Romanian (native), English (fluent).