

Daniel Kloimwieder

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Skills

- JavaScript/TypeScript: Proficiency in ES6 JavaScript/TypeScript, ReactJS library and ecosystem for frontend development and Node.js for building stable, secure, and performant APIs.
- Data Modeling & Extraction: Strong experience in data modeling and extraction techniques across both document and relational data stores, with particular expertise in MongoDB and PostgreSQL.
- API Development: Extensive experience in developing and integrating APIs for third-party systems, including processing of sensitive information – payment data and ERP transactions with financial implications.
- Product Development: Proven track record in leading the design and implementation of comprehensive digital solutions, from concept through deployment, with a strong capability for independent project management and effective time management.
- Cross-Team Collaboration: Skilled at working with diverse technical and non-technical teams to ensure project alignment and facilitate effective communication.

Experience

OCTOBER 2022 - PRESENT

Product Developer - MFGx, Remote

- Led the design and development of a comprehensive manufacturing execution system with the MFGX Fuuz low-code platform, focusing on an extensive feature set tailored to enhance manufacturing operations:
 - Execution and Metrics: Implemented features to capture critical metrics, including operator performance, machine availability, and inventory quality.
 - Warehouse Management: Developed solutions for efficient receiving and fulfillment, along with material handling processes within and across facilities.
 - Inventory Control: Engineered a robust system for serialized traceability and genealogy of inventory, incorporating process controls and relevant metrics.
 - ERP Integration: Developed solutions for the synchronization of orders, inventory, as well as production data and associated financial burdens.
- Facilitated NetSuite integrations using SuiteQL (SQL-92/Oracle) and SuiteScript (ES6 JavaScript).
- Supported sales with product demonstrations and mentored delivery team members, ensuring successful implementations.
- Utilized knowledge of the platform stack (React, MongoDB, Generative GraphQL API) to provide insightful feedback to the UI, Data, and Orchestration Engineering teams.
- Consulted with integration partners to develop tailored solutions addressing their specific needs.

JANUARY 2022 - OCTOBER 2022

Full Stack JavaScript Developer - Live ACID Software, Remote

- Developed and maintained solutions across the stack for custom CRM/Reporting Portals using ReactJS, Node.js, Express.js, PostgreSQL, and MongoDB.
- Modernized legacy applications from JQuery/EJS to ReactJS. Rebuilt standard application template with ReactJS 18, Webpack 5, React Query, and custom component library/CSS based on Bootstrap 5 and AdminLTE.
- Designed relational and document-based schemas, and engineered APIs for front-end integration.
- Developed a payment processing interface over Paya (payment processing systems), facilitating legacy hardware connectivity with modern payment platforms and CRM integration.

JUNE 2005 - JUNE 2006

Research Assistant - Carnegie Mellon University - Pittsburgh, PA

- Tested optimal control software in C/C++/Fortran
- Programmed simulations of bipedal locomotion with visualizations in Java and OpenGL
- Co-authored paper: M. Wisse, C. Atkeson, and D. K. Kloimwieder, "Swing leg retraction helps biped walking stability," 5th IEEE-RAS International Conference on Humanoid Robots, December, 2005, pp. 295 - 300.

Education/Certification

Coursera: Google Data Analytics Professional Certificate

FALL 2021

Data analysis with SQL, R, and Tableau.

Coursera: Google IT Automation with Python Professional Certificate

FALL 2021

Troubleshooting, debugging, configuration management using Python and version control using git.

Scrimba: Frontend Developer Career Path Certificate

SUMMER 2021

Responsive and responsible front end design with HTML, CSS, Javascript and the React Framework.

Carnegie Mellon University: Computer Science

ATTENDED 2002-2005