

James Littlefield

Senior Full Stack Developer

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Professional Summary

Accomplished Senior Full Stack Engineer with 7+ years of experience architecting and delivering enterprise-grade web applications for global organizations. Specialized in Vue and React ecosystems with proven expertise leading complex migrations, implementing AI integrations, and building scalable solutions using Node.js, Express.js, and NoSQL databases. Track record of project leadership on mission-critical IBM applications serving thousands of users worldwide. Deep experience in internationalization, currency conversion systems, form validation frameworks, and CI/CD practices. Successfully mentored junior developers while driving company growth from Series A to Series B funding. Expert in transforming legacy systems, optimizing database performance, and implementing automated workflows that eliminate hundreds of manual support hours.

Technical Skills

Programming Languages:

JavaScript (ES6+), TypeScript, Python

Frontend Technologies:

Vue.js (Vue 2 & 3), React, Vuetify, Vuex, Pinia, HTML, CSS, Sass, Bootstrap, Carbon-vue

Backend Technologies:

Node.js, Express.js, REST APIs, GraphQL, FastAPI

Databases & Storage:

PostgreSQL, MongoDB, Cloudant DB, NoSQL

Cloud & DevOps:

Docker, CI/CD, GitHub Actions, Railway, Git/Github

Tools & Others:

Vite, Jest, UI/UX, Jira, OAuth, Cursor AI, Claude, Agentic Programming, Slack/Teams

Professional Experience

Senior Full Stack Engineer

KollaCode | September 2023 - Present

- Led development as project and application lead for CTEBA (IBM global event management application), implementing CRON jobs with SendGrid for automated reminder emails featuring encrypted tracking links to monitor open rates and acknowledgment statuses for the Sales module
- Served as lead developer on IBM Partner Plus Awards application enabling judges to nominate and vote on partner achievements using Vite, Vue 3, Vuetify 3, and Nuxt.js, led front-end architecture development, implemented robust form validation, wrote Express.js APIs, and handled internationalization for 11 languages using vue-i18n
- Integrated AI-based government entity determination tool into legacy compliance application, calling AI APIs for automated results and expanding UI for human oversight and override capabilities, replacing fully manual process and saving hundreds of support hours
- Spearheaded migration of multiple Vue applications to latest versions (Vue 2→Vue 3, Vuetify 2→Vuetify 3, Vue CLI→Vite), improving application architecture, performance, and user experience
- Architected IBM Amenities application with dual workflow system (pro-mode and guided mode) for creating amenity bundle packages assigned to specific user types, solely responsible for currency and currency conversion implementation across all amenities, heavily involved in Pinia store management, REST API development, and Cloudant database optimization with CI/CD practices to IBM cloud
- Designed guided workflow managing majority and additional country attendees, creating amenities (Entertainment, Travel, Lodging, Gifts), setting amenity dates, and bundling packages for specific attendee types (Students, Speakers) with comprehensive form validation

Vue.js 3 Vuetify 3 Node.js Express.js JavaScript (ES6+) TypeScript Pinia REST APIs Cloudant DB NoSQL CI/CD Nuxt.js SSR

Full Stack Engineer

KollaCode | July 2021 - September 2023

- Built and maintained CTEBA (IBM global event management application) with specialized modules (Event Manager, Legal, Specialist, Admin) for tracking invitees at worldwide sponsored events, solely responsible for implementing Sales module enabling reminder emails with multilingual template support
- Fully designed and implemented Vuetify Material Design customization to meet IBM Carbon Design specifications, replacing outdated Carbon-vue library while maintaining design consistency
- Led full-stack development of EDIT application v2 featuring Excel XLSX upload, automatic column mapping, data cleanup with bulk editing capabilities using Vuelidate and Zod validation, activities management, and marketing permissions workflow
- Implemented AG Grid for enhanced UI readability and bulk editing functionality, ensuring seamless data manipulation across large datasets
- Wrote complex Cloudant DB queries including views, indexes, and search operations to support Express.js APIs with efficient filtering and aggregation
- Ensured compliance with IBM's security and data privacy policies while collaborating with global project managers, designers, and developers

Vue.js 2 Vuetify 2 Node.js Express.js JavaScript (ES6+) TypeScript Vuex REST APIs Cloudant DB NoSQL CI/CD AG Grid

Software Engineer

80 Acres Farms | May 2018 - July 2021

- Built comprehensive MRP system for indoor vertical farming operations using Vue.js, Vuetify, Node.js, Elixir, GraphQL, and PostgreSQL to manage crop lifecycle from seeding to delivery
- Solely responsible for designing and implementing industry-standard packaging barcode system, ensuring compliance and streamlining product tracking workflows
- Developed Vue.js and Node.js applications for factory conveyor belt stations, integrating QR Code scanning technology for packaging workers to weigh, track, and prepare products for delivery
- Implemented comprehensive form validation using Vuelidate for critical crop processes including germination and seeding cycles, ensuring data integrity throughout production workflows
- Solely responsible for migrating Vuetify UI library from v1.5 to v2.3 across monolithic legacy application, refactoring components for compatibility and improved performance
- Designed and maintained user workflows enabling efficient crop data entry, wrote complex GraphQL queries integrated with Vuex store, and optimized PostgreSQL/Hasura tables for system scaling
- Created reusable UI components maintaining DRY architecture, mentored junior developers, and contributed to company growth from Series A to Series B funding

Vue.js 2 Vuetify 2 Node.js Express.js JavaScript TypeScript Vuex REST APIs Elixir PostgreSQL GraphQL

Key Projects

Barcode Generator

2025 | [View Project](#) | [View Code](#)

Comprehensive barcode lifecycle management system with camera scanning and manual creation capabilities. Supports 8+ professional formats (EAN-13, UPC, CODE128, CODE39) with real-time validation. Full-stack TypeScript application with Vue.js frontend, Express.js/Node.js backend, MongoDB cloud storage, and mobile-optimized responsive design. Features CRUD operations for up to 20 barcodes, bulk printing, haptic feedback, Jest unit testing, and production-ready Railway deployment with Docker containerization.

Vue.js Vuetify Vite Node.js JavaScript (ES6+) TypeScript Express.js Pinia REST APIs Node.js MongoDB Docker Railway
CI/CD Jest

Certifications

Full Stack Development Certificate

Georgia Institute of Technology | 2017

6-month immersive program covering HTML, CSS, JavaScript, jQuery, Bootstrap, React.js, Node.js, Express.js, MongoDB, MySQL, Command Line, and Git