

JORDAN ACOCK

Full Stack Software Engineer

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Industry Skills

Programming Languages:

Javascript (React, Vue, Node.js), Java, HTML, CSS

Databases

CouchDB, PostgreSQL, Redis

DevOps & Cloud Infrastructure

IBM Cloud, RedHat OpenShift, Unix, Git, Service Containerization

Testing & Automation

Jest, JUnit, IBM Operational Decision Manager

Experience (10+ years)

Full Stack Software Engineer

IBM | 07/2022 – present

Key Roles:

- Front-end and back-end development and architectural decision-making for a proprietary drag and drop web publishing platform utilized by 300,000 IBM employees.
- Implemented back-end services and APIs across 20 feature focused Node.js microservices, powering social functionality and user experience in front-end applications.
- Collaborated with designers to translate IBM Carbon based UI designs into reusable React and Vue component libraries, integrating them across three enterprise level web applications.
- Enhanced system performance by refactoring critical endpoints, implementing caching strategies, and writing cron jobs to maintain system health, supporting 50,000 user sites and 10 million monthly page views.
- Secured system integrity by enforcing SSO authentication, role-based access control, and encrypted logging, while monitoring the system and scanning for vulnerabilities with Dynatrace and Mend.
- Streamlined DevOps processes through containerizing microservices, using Infrastructure as Code (IaC), and building and deploying services through OpenShift Pipelines.

Key Projects:

- **Forms Feature Development:** Led the development of a form-builder solution using Node.js, Vue, CouchDB, and Cloud Object storage. The platform facilitates 57,000 active forms and processes 280,000 monthly submissions. Key features included conditional logic, multipart file uploads, approval workflows, and profile-based default values for form submissions.
- **Adobe Stock Image Integration:** Spearheaded the migration from Shutterstock to Adobe Stock, reducing costs while maintaining a diverse selection of stock images. Developed user interfaces with Vue for image search and licensing. Automated licensing workflows, and integrated Cloud Object Storage to handle image downloads in back-end Node.js service, resulting in \$150k annual savings.
- **External API:** Architected and developed an API microservice using Node.js, PostgreSQL, and Redis to expose internal product endpoints through site-assigned API keys. Implemented rate limiting, API key management and expiration protocols, enabling users to securely integrate product data into their own applications and workflows.

Experience (cont'd)

Software Consultant IBM | 07/2014 – 07/2022

Key Roles:

- Enhanced technical capabilities and business processes for over 15 clients by providing software architecture guidance, product integration solutions, and technical mentoring services.
- Led development of quick-win pilot projects by integrating Java-based IBM products into client environments that automate manual processes and decision-making workflows.
- Empowered client subject matter experts (SMEs) by mentoring them in technical skills, enabling them to develop and maintain their own solutions.

Key Projects:

- **Eligibility and Benefit Calculation for Great West Life:** Developed decision service for disability claims using IBM Operational Decision Manager (ODM). Authored 160+ decision rules developed from documented business rules. Mentored client developers on designing and deploying ODM solutions. Supported the integration testing of the decision service with the client's systems.
- **Active Prescription Determination for Shoppers Drug Mart:** Built an active prescription determination and dispense reminder decision service using ODM. Authored 60+ decision rules and mentored business users in deploying ODM solutions. Assisted in integration testing with client systems.
- **Home Building Options Tool for Gehan Homes:** Architected and implemented a decision service to manage 100+ home building options using ODM. Developed a custom Java plugin to convert Excel sheets into decision table artifacts and created a JSON web API using JAX-RS to integrate the decision service with the application-wide API.

Education and Certifications

**Bachelor of Science
Computer Engineering**
University of Oklahoma

EX288 Red Hat OpenShift Certified Developer

**IBM Certified Developer - Operational Decision
Manager**