

JD Pack

Software Developer

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Software developer with ten years' experience in the retail, transportation, and manufacturing industry designing mobile, frontend, and server side software. Key platforms include the Walmart app, J.B. Hunt Drive, and Carrier 360 app used by thousands of customers daily.

WORK EXPERIENCE

Staff Data Engineer/IT Consultant

October 2017 – Present

Walmart, Remote (Bentonville, AR)

- Launched Report Hub analytics tool for store leaders to keep track of vital store KPIs such as Walmart+ sign ups, CVP, and store frontend health
- Designed API using GraphQL/Sequelize to dynamically build schema for 40+ database tables that analytics teams utilized to build dashboards with little to no SQL knowledge
- Developed mobile apps to enable thousands of store associates to access content via VPN
- Presented Store Maps infrastructure to senior leadership and 30+ coworkers via C4 architectural diagrams
- Strengthened Store Maps ecosystem coordinating across 3 teams, built both Java and Javascript-based services that provided 6500+ store maps to 100k daily users
- Achieved 99.9% store services uptime throughout FY19 using risk mitigation strategies such as caching (Memcache/Akamai), service scalability (OpenStack computes), map generation queues (Kafka), and real-time logging and metrics (Splunk/Grafana)
- Maintained legacy C application handling thousands of store transactions per store per day using Docker, Jenkins, and OneOps which led to the discovery and resolution of a 15-year old buffer leak

Programming Specialist/Programming Analyst

June 2014 – October 2017

J.B. Hunt Transport Services, Lowell, AR

- Transformed the Drive app by implementing trip sheet functionality, enabling thousands of drivers to work via a mobile device rather than OBD tablets improving workflow, ease of use, and availability
- Developed Java REST APIs using Java/Spring Boot to process data between DB2 and ActiveMQ from over 10,000 truck drivers
- Built automated carrier load/unload geofencing using Google Maps API eliminating 20% manual workflow
- Facilitated and streamlined a rail payables system alongside the finance team that generated \$2 billion worth of revenue annually
- Represented Java/JSP Servlet application that handled shipments used by thousands of third party carriers
- Coded outside skillset (COBOL and C++), documented and demonstrated process to 12 coworkers

Programmer/IT Consultant

August 2012 – May 2014

Nidec Motor Corporation, Mena, AR

- Established Access databases to keep track of all worker hours, stock, and purchase order handling
- Collaborated with CAD and Engineering teams to modernize the AS400 motor design flow into Visual Basic
- Created an inventory DBMS handling 20k tickets (100k parts) and cutting inventory time by 50-80%

SKILLS

Languages/Frameworks: Javascript • Typescript • React • Node (Expert), Java • SQL • GraphQL (Advanced), Kafka

Techniques: TDD, BDD, Mocking, Caching, Queuing, REST, Microservices, Agile, Regex, No Downtime Deployment

Tools: Yarn/npm • Webpack • Git • Docker • Nginx • Jenkins • Tomcat • GCP • Azure • Xcode • Android Studio • Splunk

PROJECTS

Plebiant: Game company for creating mobile games using Unity - <https://plebiant.com>

CXC Ohio: Medical application built in React Native - <https://cxcoho.com>

EDUCATION

University of Arkansas, Bachelor of Science — Computer Science

August 2010 - May 2014