

Lee Charles

Software Engineer • Full-Stack (React | Java/Spring) • Data Engineering

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SUMMARY

Full-stack engineer delivering production React + Spring Boot systems for analytics and ops. Ship reusable frontends (custom grid, inputs) and high-throughput Java services (async), with Oracle/Postgres federation and SAML2 SSO.

CORE SKILLS

React, Hooks, Recharts, KendoReact • Java 21, Spring Boot (REST/JPA/Security) • Oracle, PostgreSQL, SQL/CTEs • Docker, Nginx • PDFBox, XLSX • SAML2 SSO • Data quality/validation, UX systems

EXPERIENCE

First Electric Cooperative Corp (FECC) — Software Developer, Analytics & Data Engineering 2025–Present

- Built internal analytics suite (React + Spring Boot + SAML2) unifying dashboards, reporting, file workflows, and notifications.
- Replaced Kendo with a custom React GridDefinition: sort/filter/group/edit, Excel export, dark/light theme—became the UI foundation across apps.
- Delivered Daily Traffic Light (80+ report checks) via ultra-light COUNT(*) endpoints for instant status & drill-through.
- Implemented AMI Hourly Meter Data: Oracle/Postgres federation, conversion-ratio analysis, solar/enrichment, anomalies, KPIs, charts.
- Shipped OMS Model Management: async .std ingestion, real-time status, role-gated edits, 10+ repos behind tabbed data views.
- Automated MIS Deposit Review imaging: network scans, parallel PDF→TIFF @300 DPI, metadata, ZIP packaging, cleanup & robust error handling.

UAMS — IT Associate / Software Tool Developer 2023–2025 • Built Python GUI/indexer for 7,800+ paths / 65,000+ contacts; cut query time from ~5 min to <1 sec.

Pittsburgh Doors & Closets — Frontend Web Developer (Intern) 2024

- React UI overhaul, bug fixes, SEO, docs.

EDUCATION

B.S., Information Technology (Minor: Software Development), Capella University — 3.85 GPA