

MATTHEW JAMES ANDERSON

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Results-driven technical analyst and software engineer with expertise in backend (Java, SAP ABAP) and frontend (TypeScript, React) development. Skilled at transforming complex, messy data into clear, actionable insights that drive smarter decision-making. Experienced in modernizing legacy systems, building scalable APIs and microservices, and streamlining business processes for cross-functional teams. I excel at communicating technical concepts to non-technical stakeholders.

Seeking an opportunity to continue bridging the gap between data and business outcomes in a dynamic, growth-focused environment.

EDUCATION

St. Ambrose University

2009-2012

Graduate level computer science coursework

BA St. Ambrose University, Information Systems

2009

PROFESSIONAL EXPERIENCE

Software Engineer, John Deere (2021 – present)

Aftermarket & Customer Support – Global Parts Information Technology

Parts Order Management Legacy & Dealer Business System Integrations Team

In my current role, I support essential Java and SAP service parts order management applications within the parts order management product. My main responsibilities include developing solutions for complex business challenges faced by our team. I work closely with the Parts Order Management Product Manager to identify and prioritize tasks that bring clear value to both the company and our dealers, helping our team maintain a steady pace.

Recently, I've focused on updating our technology by converting older Java processes into APIs and microservices. I'm also building front-end interfaces using TypeScript and React. These improvements help make our applications more scalable, easier to maintain, and better for users.

Business Analyst, John Deere (2013 – 2021)

Global Information Technology – Human Resources & Corporate Functions Domain

Corporate Functions & John Deere University Teams

Acting co-product manager for Corporate Functions team, supporting corporate social responsibility (CSR), Brand Management & Licensing, Public Affairs, Environmental, Health & Safety, Aviation, and Facilities during company Agile reorganization.

2021 – Provided direction as co-product manager during transition to agile. I developed a series of task boards, reports, and processes to guide our daily standup meetings and sprint planning.

2018 – Developed a Tableau project/reports combining multiple CSR and HR data sources. This project tells digital stories for giving programs and funding for over 20 global facilities. Facility leadership views their community scorecard and compares to others. All unit campaigns showed a marked percentage increase in 2019.

2016 – Managed a development team in creating automated processes for initiating payroll deductions for charitable causes. This has reduced manual processing time significantly and enables employees to make charitable contributions at any time.

IT Early Development Program, John Deere (2009 – 2013)

Global Information Technology – Datacenter 24x7 Support & Dealer Systems Go-Live Support

The IT career development program aids recent computer science graduates in navigating the various roles and business units within the company.

Key Achievement

2012 – Administered training for more than 50 dealer employees during the migration at two of our largest John Deere Construction & Forestry dealers in Orlando, Florida and Bangor, Maine.

PROFESSIONAL TRAINING

Software Engineering: Immersive

General Assembly Technical Boot Camp – 2021

12-week fully immersive course intended to sharpen my technical aptitude, specifically into software development and full-stack frameworks such as react, node and express.

Measurement & Evaluation

Boston College Center for Corporate Citizenship – 2018

Learned to build effective measurement programs to increase effectiveness of corporate social responsibility programs, and to quantify value these programs bring to our community and business.

Tableau Desktop II: Intermediate & Tableau: Visual Analytics

John Deere Instructor-Led Professional Development Course – 2017

Advanced skills to become one of the first Tableau power users in the company.

PROFESSIONAL AFFILIATIONS & COMMUNITY SERVICE

Institute of Electrical and Electronics Engineers (IEEE), IEEE Computer Society

2008-2025

United Way of the Quad Cities – Bettendorf, IA (2013 - 2021)

I worked as a data facilitator, helping them understand corporate donor data and improve processes to deliver quality social services to our community.

Youth Advocacy (2019 - 2025)

I worked as a court appointed special advocate (CASA) with Iowa Child Advocacy Board, then later as a Board Member. I am passionate about advocating children's rights and permanency requirements.

TECHNOLOGY SKILLS

Knowledge of Programming Languages & Frameworks

Java – professional (primary development language)

SQL – professional (development and analytics)

Python - intermediate (professional and personal interest)

R/Shiny Server - novice (professional interest)

HTML/CSS/JSX/JSP – intermediate (front-end e-commerce and user experience)

JavaScript/react/express/node - intermediate, professional interest

SAP/ABAP – professional (development of business system integrations)

SAP CPI (Cloud Platform Integration) – professional (development of Java/SAP integrations)

Knowledge of Applications & Platforms

Data & Analytics

Microsoft Excel - power user

Tableau Desktop/Server - power user

Microsoft Power BI – intermediate

Databricks - intermediate

SAP Analytics Cloud – intermediate

R Studio – novice

Software Engineering/Development

Microsoft VS Code – intermediate

JetBrains IntelliJ – intermediate

Atlassian Jira/Confluence – intermediate

Worksoft Testing Automation - intermediate

Okta SSO development - intermediate

Postman/Insomnia/Bruno – intermediate

Docker/Desktop/Kubernetes - intermediate

pgAdmin – intermediate

git/GitHub/Actions – intermediate

Amazon AWS (EC2, S3, VPC) - intermediate

Microsoft Azure API Management - intermediate