

SETH W. CHADWICK

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SUMMARY

Adaptable professional with experience in software engineering, manufacturing engineering, supply management, and cost management. Leverages broad experiences in multiple functional areas and divisions (A&T and JDPS) along with demonstrated performance in problem solving, negotiation, cost reduction, and coordinating cross functional teams to meet stakeholder requirements and deliver measurable business results.

SKILLS

- JavaScript
- HTML
- CSS
- GitHub
- React
- Bootstrap
- RESTful APIs
- Python
- Node.js
- Express
- PostgreSQL

PROFESSIONAL EXPERIENCE

JOHN DEERE,

2007-2021

Software Engineering Immersive Program 2020 - 2021

- Successfully completed the General Assembly Software Engineering Immersive program to be reskilled as a full stack software engineer.
- Gained experience and proficiency building multiple frontend applications using HTML, CSS, JavaScript, React, and Bootstrap, as well as backend applications using Node.js, Express, PostgreSQL, Python, and RESTful API's.
- Collaborated on a group project to successfully develop and deploy a React frontend application using multiple API's and utilizing GitHub branches for continuous integration and continuous delivery.
- Experience in paired programming through group projects, daily programming exercises, and assisting other students in troubleshooting code.

Strategic Supply Management Specialist, Waterloo, IA 2018-2020

- Led sourcing for large cast iron machining, die cast aluminum, steel castings, and undercarriages (tracks) for Waterloo new product programs – 7R, F9, F11, and F12.
- Negotiated savings/cost avoidance of \$270k in FY19 and \$920k in FY20.
- Initiated and managed early machining supplier integration in the F12 casting design process, reducing capital requirements by \$225k.
- Collaborated with Deere Legal to draft the Joint Development Agreement for the F12 undercarriage system.
- Established the Next Generation Tractor quoting and sourcing plan for large cast iron machining.

Cost Management Specialist, Waterloo, IA 2014-2018

- Led currency cost reduction efforts for JD Power Systems to achieve \$2.3M in savings, including planning negotiations and drafting currency contracts.
- Developed and facilitated cost reduction ideation sessions, generating \$1.1M in active projects and \$190k in implemented savings.
- Designed a business case template to gain alignment with CI Engineering for cost reduction projects, converting \$2.1M to active projects.
- Eliminated secondary approval on 70% of PCA's, reducing workload for Supply Base Managers and the Cost Management team.
- Saved \$3.4M through price change analysis, should costing, and negotiation support.

Manufacturing Engineer, Waterloo, IA 2011-2014

- Executed IT4 to FT4 transition for 8R transmission assembly department in coordination with Design Engineering, Quality Engineering, Supply Management, and Operations.
- Drove the implementation of a \$500k AFE to improve assembly quality.
- Generated and gained alignment with stakeholders on new manpower plans to increase daily production capacity.

Manufacturing Engineering Co-op, Waterloo, IA 2008-2010

- Created detailed construction drawings for internal and external customers for \$22M redevelopment project.
- Developed documentation and standards for construction drawing creation.
- Planned coolant piping layouts for automated horizontal milling machining cell.

Manufacturing Engineering Co-op, Augusta, GA 2008

- Integrated supplier drawings into Deere engineering systems.

Manufacturing Engineering Co-op, Des Moines, IA 2007

- Tracked torque requirements for cotton picker/baler product line.

EDUCATION

- **Master of Business Administration**, University of Northern Iowa
- **Bachelor of Science, Mechanical Engineering**, Purdue University, West Lafayette, IN
Minor – Economics

CERTIFICATIONS

- Software Engineering Immersive Certificate (General Assembly)
- Certified Manufacturing Engineer (Society of Manufacturing Engineering)
- Six Sigma Green Belt (American Society for Quality)