

Location
Quad Cities, IL

Liem Gearen
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PROFESSIONAL SUMMARY

Senior Software Engineer with 8+ years of experience in cloud-native development, developer advocacy, and platform engineering. Specialized in building enterprise-scale data platforms, driving engineering excellence through CI/CD automation, and coaching teams on modern software practices and generative AI adoption.

EDUCATION

Augustana College, Rock Island, IL May 2019
Bachelor of Arts in Computer Science
Minor: Mathematics, Entrepreneurship
Honors: Dean's & Hoffman Scholarships, Eagle Scout, Mortar Board National Honor Society, Pi Mu Epsilon (CS & Math), Alpha Phi Omega (Service)

RELEVANT WORK EXPERIENCE

John Deere Digital Strategy & Transformation, Moline, IL

Developer Advocacy, Senior Software Engineer May 2024 - Present
• Architect, develop, and maintain enterprise-wide GitHub data ingestion platform processing all GitHub events across the organization, enabling data-driven engineering insights and strategic decision-making
• Lead developer advocacy initiatives for engineering teams across the enterprise, coaching and evangelizing software engineering best practices including CI/CD, security, test-driven development (TDD), and generative AI integration through GitHub Copilot and prompt engineering
• Drove automation of software dependency management and NodeJS version standardization across fleet of repositories, eliminating technical debt and improving consistency
• Established foundational Digital Fleet Management system for Software Delivery Teams, providing visibility into repository inconsistencies and enabling proactive tracking and remediation
• Administer and evolve third-party platforms to deliver custom data visualizations and analytics solutions tailored to enterprise-specific use cases
• Build and deploy scalable cloud-native solutions leveraging NodeJS, Docker, AWS (ECR, ECS, Lambda, CloudWatch, IAM, SNS, SQS), Terraform, and GitHub Actions for infrastructure as code and CI/CD automation
• Designed event-driven data platform architecture enabling product teams to implement custom tracking and monitoring solutions tailored to their specific needs

Agile Tools, Senior Software Engineer

August 2022 – May 2024

- Developed and supported centralized metrics web application with NextJS, React, AWS and SQL for agile product teams to submit and review sprint metrics
- Maintained authorizations to our customers in order to provide access and insights to several of our third-party agile tools
- Drove automation innovation on our manual support work to enable our team to focus their capacity on innovative work
- Developed and maintained migration scripts to enable product teams to migrate their backlog data from Rally to Jira so product teams are able to utilize their new backlog instance with little disruption to their daily routine
- Promoted engineering, CI/CD, and UI/UX best practices to fellow team members so that the team is better equipped to deliver high-quality solutions

Parts IT Modernization, John Deere NA-PDC, Milan, IL

Software Engineer, IT Early Development Program

June 2019 – August 2022

Liem Gearen

- Developed and maintained a new, modernized parts ordering web application utilizing React, Spring Boot, and standardized UI/UX framework
- Updated, developed, and supported John Deere's primary parts ordering system's UI/UX using Java/J2EE, HTML, and CSS to optimize and provide a new user experience for dealers who utilize the application
- Communicated and practiced Agile methodologies to promote higher levels of quality and commitment when delivering work to our stakeholders
- Promoted CI/CD practices with web application maintenance and deployment utilizing the automation practices by partnering with senior software engineers
- Supported the configuration and development of our SAP Interaction Center environments for our dealers

Global IT Order Management, John Deere, Davenport IA

Architect Support

May 2018 – May 2019

- Gathered and monitored data pertaining to the John Deere Order-to-Cash system to identify inconsistencies and patterns that led to system and network improvements
- Designed dashboards to provide better insight to John Deere's Order-to-Cash systems efficiency
- Explored various applications to provide appropriate solutions to business needs
- Developed scripts and web applications to assist the team in monitoring various testing environments
- Researched and assisted in the development of AWS environments for the team's migration of cloud computing resources

Business Process Support II

April 2017 – May 2018

- Developed, managed, and maintained the Order Management SharePoint website in order to maintain organization and efficiency for all teams within the program
 - Responsible for all technical support, individual pages, site permissions and security, and upkeep of content
- Assisted with the upkeep and maintenance of videos within the program to ensure all videos are stored efficiently and viewable to individuals within the company
- Drove and supported a large-scale SharePoint migration project to provide a new, clean, and organized SharePoint resource site for multiple project teams
- Trained additional Part-Time Students as Business Process Support

Business Process Support I

November 2016 – April 2017

- Provided support for management tasks in order to assist the execution of John Deere's Order Management projects within the United States
- Maintained and tracked monthly time usage to ensure all financial resources were accounted for efficiently within the Order Management Program
- Developed and supported two websites for dealers to serve as resource centers
- Managed and maintained over 370 communication groups to ensure proper communication and security is present within the Order Management Program

EDGE Entrepreneurial Center, Augustana College, Rock Island, IL

Web Development Intern

March 2016 – Feb 2019

- Assisted in development and maintenance of websites for over 200 clients
- Aided in the graphic design of websites as needed
- Responded to customer requests to ensure all web-development-based needs were being met

Hesed House, Aurora, IL

IT Intern

May 2016 - August 2016

- Led hardware project to refurbish and redistribute 50 laptops
- Assisted with any hardware-related projects as needed by the workplace
- Provided assistance with data entry for a volunteer tracking program utilized throughout Hesed House

RELEVANT SKILLS & COMPETENCIES

Developer Advocacy & Leadership

- Software Engineering Coaching • GitHub Copilot & Prompt Engineering • SAFe Scrum Master Training
- Scrum Team Certified • Nn/g UX Certified

Languages & Frameworks

- Java/J2EE • Node.js • React • NextJS • JavaScript/TypeScript

Cloud & Infrastructure

- AWS (Lambda, ECS/ECR, IAM, CloudWatch, SNS/SQS, S3) • Terraform • Docker • Infrastructure as Code

DevOps & Automation

- GitHub Actions • Git/GitHub • CI/CD Pipelines • Drone • Jenkins

Tools & Platform Administration

- Grafana • Jira • Rally • Mural • GetDx

References: Available Upon Request