

# Hui Wang

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## Software Engineering Director

**Hands-on, innovative technical leader**, offering 20+ years of demonstrated experience across multiple market verticals — software, healthcare, eCommerce. Proven success managing large-scale software development projects and creating highly successful teams. Specialties include all aspects of SDLC; application design, development, release, and maintenance. Adept at designing, implementing, and testing software features in various languages and platforms. Recognized as product owner responsible for defining long and short requirements of projects ranging in size from a few developers to multi-site team projects.

- **Unique blend of technology and leadership acumen.** Well-honed expertise running teams of software engineers on Agile and Waterfall based projects in addition to coding tasks. Track record of success in spearheading scalable, enterprise solutions and leading multi-site, cross-functional engineering teams.
- **Distinguished career marked by rapid progression** and sparked by supporting innovative engineering engagements within Agile, fast-paced environments. Ability to implement the proper balance of people, processes, and technologies to improve design, development, testing, and implementation of complex systems.
- **Leadership philosophy promotes employee participation** through creative problem-solving. Adept at collaborating with senior management, SMEs, and key stakeholders to ensure optimized ROI, achieve operational excellence, and deliver on corporate strategy.

## CORE COMPETENCIES

Strategic Insight • Software & Systems Architecture • Enterprise-Wide Solutions • Product Development • Data Science/AI  
New/Emerging Technologies • Agile/Scrum Methodologies • Software Development Lifecycle (SDLC) • Cloud Engineering • CI/CD  
• Microservices • Operational Excellence • Database • Cross-Functional Team Leadership

**Technical Summary:** Java/JEE, Spring Boot, Micronaut, Open API, Python, SQL, React, Node.js, GraphQL; Kubernetes, Docker; AWS DynamoDB, S3, Kinesis, Jira, Jenkins; Anaconda, Jupyter Notebook, PyTorch, Camunda

## PROFESSIONAL EXPERIENCE

NTTData, Ann Arbor, MI; **Digital Engineering Management Director** 2021 - Now

- Assigned to multiple client accounts as delivery director, leading technical delivery of enterprise solutions.
- Collaborated with client technical architects/leads to define product architecture and design, and drove timely resolution of architectural design issues
- Established alignment on technical/agile approaches and standards and ensured alignment across team members.
- Provided weekly update to client leadership team with project progress, achievements and risks
- Mentored and coached team members, managed team engagement by leading with empathy, providing meaningful recognition and prompt feedback.

### Project Highlights:

- Led an engineering team of 15 and successfully built a service bus that integrated the new IBM Maximo system with the rest of the existing FedEx systems, including FedEx operations, Finance, Data Warehouse, and 3rd party systems.

IBM Watson Health, Ann Arbor, MI; **Senior Manager of Product Development** 2011 - 2021

- Played instrumental role in managing multiple squads of developers to maintain and enhance applications in healthcare space. Charged with leading architecture, design, security review, and operation review of projects.
- Served as people manager, through coaching and mentoring, help employees reach their full potentials and build careers at IBM. Act as good steward to protect client data by making sure all the security risks and compliance issues are remediated.
- Actively involved in leadership discussion and take on new initiatives to streamline the agile process and build better engineering culture in the organization.
- Worked with offering managers to propose yearly project budgets, and work with business operations on vendor management and execution of SOWs.

### Project Highlights:

- Led 15 member cross-functional team and successfully migrated powerful SURS certified BI tool from client server platform to JEE web platform, and from slow outdated desktop UI to a modern snappy web wizard utilizing single-page framework. The migration was well received by the clients to effectively fight fraud, waste and abuse (FWA) in Medicaid. Shortened training time by 50%, and increased the usage of the tool by 30%.
- Led 5-member engineering team and successfully built a full pipeline that extracts key benefit information from summary benefit documents. The team overcame the challenges of deep learning curve, and delivered the tool in 4 months, through close collaboration with IBM research team and other subject experts.

BORDERS GROUP INC., Ann Arbor, MI; **System Development Manager** 2010 - 2011

- Managed 10-member eCommerce application team developing and supporting both Websphere commerce based borders.com site, and Sterling/Yantra based OMS system.
- Established best collaboration with internal cross functional teams including Data team, EDI/EAI, BI, finance, customer service, and 3rd party vendors including, Alibris, Power review.
- Maintained excellent working relationships with directors and VPs of eCommerce team, and advised the executives on technical strategies, resource planning and eCommerce roadmap.

GRAND RIVER INTERACTIVE, INC., Ann Arbor, MI; **Executive Technical Director** 2009 - 2010

- Provided leadership and direction both internally and with clients regarding website strategy, development and integration from a technical perspective.
- Delivered support as a technical leader for client calls, demonstrations and software reviews. Led design and implementation of major customization and integration of site build-out, provided mentoring and guidance to team members.

FRY, INC., Ann Arbor, MI; **Systems Architect** 2005 - 2009

- Acted as systems architect on assigned projects. Led systems design, development and maintenance of web applications and backend integration processes. Managed a mentor group of 4 to 5 engineers to help them develop career goals, improve technical and leadership skills, and coordinated the trainings for the group members.
- Managed requirement gathering and technical analysis of client project. Led project scoping and estimating efforts; and participated in proprietary J2EE based framework (OCP) additions and innovation team tasks.
- Managed technical resources of the team, including offshore engineers, and worked closely with client and internal department to deliver the project successfully.

#### **Project Highlights:**

- Vera Bradley (<http://www.verabradley.com>). Assigned as system architect to lead the discovery, scoping, estimating, architecture, design, implementation, QA and launch of the site. Successfully launched site before 2009 holiday, with challenges including short time frame, complete legacy transaction conversion, new 3rd party integrations. The site took 2.5M page views on CyberMonday of 2009, more than doubled CyberMonday traffic the previous year, without service interruption.
- Ann Taylor ([www.anntaylor.com](http://www.anntaylor.com), [www.anntaylorloft.com](http://www.anntaylorloft.com), callcenter application). Assigned as system architect to oversee all technical implementation of the project, including customer sites and backend customer service application. Successfully launched 3 web sites of Ann Taylor, the biggest account (\$5M contract) Fry ever took back then.

BORDERS GROUP, INC., Ann Arbor, MI; **Senior Programmer / Analyst** 1998 - 2005

- Designed and implemented clerk and customer GUI with JAVA Swing, Visual C++, JSP and HTML. Maintained and enhanced applications to support Borders' retail systems.
- Led a team to build a credit server to support credit, EGC and check transactions. This application saved the cost that would be used to buy a commercial package for the company.

### EDUCATION, TRAINING & PROFESSIONAL DEVELOPMENT

CENTRAL MICHIGAN UNIVERSITY, Mt. Pleasant, MI; **Master of Science in Computer Science**

CENTRAL MICHIGAN UNIVERSITY, Mt. Pleasant, MI; **Master of Arts in Economics**

INDIANA UNIVERSITY, Bloomington, IN; **Coursework in Computer Science and Economics**

TSINGHUA UNIVERSITY, Beijing, P.R.China; **B.E. in Economics**

Deep Neural Networks with PyTorch • IBM AI Skills Academy Machine Learning Explorer • NLP Patents • AWS Certified Cloud Practitioner • AWS Certified Solution Architect Associate