MR SEAN H.

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SENIOR DIRECTOR OF ENGINEERING

ENTERPRISE ARCHITECTURE ● STRATEGIC PLANNING ● TECHNOLOGY DIRECTION ● SOLUTION STRATEGY ● MLOps BUSINESS INTELLIGENCE ● PRODUCT STRATEGY ● TRANSFORMATIONAL CONSULTING

EXPERT IN PRODUCT LIFECYCLE MANAGEMENT, LEADERSHIP, & APP DEVELOPMENT

20+ years of enterprise-level technology leadership with teams who identify, qualify, build consensus for, and implement innovative technologies and enterprise systems and product development specializing in AI.

Provides mentorship, motivation, and highly technical leadership and specialized guidance (including instruction) to engineering teams who provide solutions to complex business and information processing problems, knowledgeable in state-of-the-art solutions and high-level team management. Performs analysis and studies, testing, and acceptance phases; creating General Services Administration compliant solution management and formulates management policies relating to enterprise-wide business processes and their reengineering. Has served as principal investigator on complex Research and Development (R&D) initiatives requiring complex, scientific outcomes.

Leading internationally distributed teams in ERP and implementation. I work with executives and decision-makers to create scalable application architecture and then deliver these while leading robust teams of designers, developers, agile managers, and a variety of SMEs while maintaining a high level of security and talent retention. I advocate for internal team culture of expertly automated DevOps management, proper technical documentation, CI/CD best-practices, and treating infrastructure as code in Government, Enterprise, and NGO sectors of technology and business intelligence usage.

I scale Cloud Architecture with IaaS repeatable frameworks using containerization. I apply a cloud-agnostic approach for Azure & AWS with a focus on Kafka, Scalr, Ansible, Chef, Puppet, Terraform, Docker, Kubernetes.

WORK EXPERIENCE

GLOBAL ENTERPRISE, SAN FRANCISCO, CA – 10+ Years with Organization

Committed over 10 years to the growth, strategy, and leadership of this international consulting firm for a variety of Enterprise clients. I developed a distributed team of over 100 consultants and led the DevOps Solutions across multiple app consulting needs for clients in Recommendation Engines, Fintech, Agritech, and Business Intelligence.

SENIOR DIRECTOR OF ENGINEERING: 2022 - Present

Chief strategist and technical leader for Enterprise Resource Planning & Implementation. I lead the entire technology team and provide mentorship, motivation, and intelligence while delivering stellar products and applications. I innovate the entire SDLC driven tech stack through ITIL change management for improved DevOps utilizing Enterprise Cloud Architecture.

I provide training, shape culture, and act as a role model for a distributed agile software team in Machine Learning, DevOps, Business Intelligence, and best practices for enterprise software. I build teams, take full IT responsibility, cyber security responsibility, and lead the growth and innovation of tech-driven solutions.

PRINCIPAL SOFTWARE ENGINEERING MANAGER: 2018 - 2022

Built Multiple State of the Art Products in AI, Fintech, and Recommendation Engine Solutions
• Scaled international team into 2 new countries and created Azure DevOps distributed procedures for team of 60 developers to collaborate in real-time across multiple projects and languages, primarily Angular / React / JavaScript / AWS / Azure.
• Migrated outdated proprietary development to a fully cloud-managed Microsoft framework, using Azure

Blobs, Azure Repos, and Azure Pipelines with real time analytics delivered through PowerBI.
• Created Jira Roadmaps and Initiatives while mentoring other EMs on proper Agile methodologies.
• Transitioned Epic in-between MVPs with 100% uptime while increasing developer load by 300%

SENIOR ENGINEERING MANAGER: 2015 - 2018
Led multiple Software Development Management projects, working directly with Product Managers, Creative Directors, and Stakeholders while leading a robust team of highly trained engineers.

Designed DreamWave™ Development Framework – Business Intelligence, Business Analytics, & Creative
• Created Machine Learning algorithms and metrics to track staff and students in distributed systems.
• Created Dashboards to update dynamically and present user engagement statistics. Used C#, PowerBI, PowerApps, and Common Data Service atop Azure Cosmos DB for enterprise solution.
• Integrated into Microsoft Dynamics and Salesforce with Ministers of Education from multiple countries along with CTO/CIO from Fortune 500s for integration into learning systems.

SENIOR ENGINEERING MANAGER: 2012 - 2015
Managed and mentored a large team as we developed EduTech solutions for Governments, Universities, and Enterprises. These included integrating and custom development for Digital Rights Management (DRM), MOOCs, Pedagogical Approaches in Curriculum Development, and Social Networks for faculty & students.

HARDMAGIC CORPORATION, SAN FRANCISCO, CA – 10+ Years with Organization
Committed over 10 years to a health-focused technology company to create the digital presence and partnerships with the world's leading yoga instructors to create solutions for them to lead their retreats while consulting them on application development, brand identity, product strategy, UX and media production.

TECHNICAL LEAD: 2008 - 2012
Led 2 Pizza team to Build Artificial Intelligence Engine – Virtual Assistant & AI Customer Service
• Omni-Channel Augmented CSR Virtual Agent experience with multipoint AI technology
• API Personality Integration for SMS, VoIP, Chat, Support Ticket, Email, and Social Media
• Built across C#, C++, JavaScript, Python, and other services as needed for best user experience
• Use databases like Oracle, SQL Server and use Big Data Technologies like Cassandra, Hadoop and Spark

SENIOR SOFTWARE DEVELOPER: 2004 - 2007
Created scalable Pedagogical Education Tool. Created a Responsive-layout, scalable MAAS + Juju code, PHP Drop-in Script. Custom-coded API Integrations with WordPress, Moodle, Resource Space, Feng Office, SMF Forum.

SOFTWARE DEVELOPER: 2002 - 2004
Provided security and technology advancements for LAMP, LEMP, and Microsoft Server Architecture, PHP Coding, API Integrations with Social Networks, Credit Card Processing, Logo Design, Digital Photography, Commercial Film Production, and Mobile App Development.

CAREER HIGHLIGHT

Working with Jon Kern, an original founder of the Agile Manifesto on a new Agile Thought Leadership philosophy & implementation for the Enterprise Sector.

CTO OF AI-DRIVEN TECHSTARS STARTUP: 2021
I Acted as CTO of 40+ team in an AI-Driven DEI-focused hiring technology SaaS startup that was accepted and signature investment for the TechStars Workforce Development Program in 2021.

AI LABS TALENT MANAGEMENT: 2020
Built international team of Data Scientists, Physical Dry Lab, and virtual lab environment using Azure Data Labs and Jupyter Hubs. Collaborated with Educational Consortium with multiple Universities for SETI Research.

RESEARCH

COMPUTER SCIENCE WITH RESEARCH INSTITUTES (REMOTE): 2016 – 2021
- Build Augmented Reality 3D models based on researching body mechanics in martial artist and ballroom dance. Create model articulation and guidelines for developers in 3D architecture.
- Contribute knowledge and insight in aerospace for the purpose of interstellar research, quantum computing, and DevOps Methodologies.
- Collaborate with an international body of scientists and engineers to create and study algorithms, big data, and data models. Create systems for data wrangling, data aggregation, and mentor data scientists.
- Create predictive analysis for the advancement of science and use of innovative technology such as MLOps, Q#, Python, and Business Intelligence.

ADJUNCT PROFESSOR

COMPUTER SCIENCE & CREATIVE STORYTELLING, UNIVERSITY OF CALIFORNIA, SANTA BARBARA: 2005 – 2009
Academic research and implementation with a focus on HCI, Behavioral Engineering, and Applied Intelligence

SOFTWARE & LANGUAGES

Programming: Java, J2EE, C#, Q#, DAX, JS, NodeJS, Nginx, Angular, Ant, React, C++, Python, Express, Koa, HTML, CSS
3D: Unity, Unreal Engine, Autodesk Suite, Blender, 3D Maya, 3DS Max, Revit, AutoCAD, Lumion
Creative: Adobe Creative Suite, Photoshop, Premiere Pro, Illustrator, Canon, RED, Capture One, Wacom, SMM
IT: AWS, Azure, Apache, Cassandra, Amazon SQS, Linux, Scalr, Solr, Ansible, IAM, Microservices/API, Oracle, Puppet, Chef, TensorFlow, PyTorch, Flourish Studio, Hadoop, SageMaker, Elastic Stack, Jira, Atlassian, CosmoDB, Jupyter, Anaconda, Databricks, DSVM