Michael "Mike" Lippert

914-391-9855

Michael.D.Lippert@gmail.com

www.LippertEngineering.com

SUMMARY

Innovative problem solver with 10+ years of product design experience. Currently seeking a position to leverage technological and managerial expertise to help support a new organization. Highly proficient in data analytics, customer success, systems design & architecture, computer aided design (CAD), good manufacturing processes (GMP), design for manufacturability, and product lifecycle management.

PROFESSIONAL EXPERIENCE

Fluxa / Emerson – Customer Success Manager   Oct 2021 – Present
Denver, CO

- Interacted with clients to implement pharmaceutical recipe management & quality risk management software in highly regulated environments.
- Served as a liaison between the internal development team and clients to help define future functionality of the product.
- Designed and built features to grant new functionality to the existing suite of products.
- Acted as lead consultant performing sales, training, and integrations to build partnerships within the pharmaceutical industry.
- Helped accelerate the drug development tech transfer process that allowed clients to design, research, and manufacture new therapies in a faster and safer manner.

Planisware – Senior Functional Consultant / Senior Technical Consultant   Jan 2021 – Oct 2021
Denver, CO

- Coached fortune 500 companies to help align and refine their project management office amongst various technology teams.
- Designed, configured, and maintained the enterprise project and portfolio management software that client organizations were using.
- Prepared training materials, offshore training, statements of work, and pre-sales to define proof of concept designs to meet client needs.
- Performed codebase refactoring, database maintenance, support, and data model design for a SaaS product.
- Served as general product support for 100+ hours each quarter.
- Developed expertise in system design using various databases, Linux servers built on AWS, and internet of things to integrate various products and build out data lakes.

Big Compass LLC – Developer / Senior Consultant / Senior Business Analyst   Apr 2017 – Aug 2020
Denver, CO

- Led teams that designed and built custom API solutions for a transportation and logistics firm.
- Ran all team meetings and built timelines and budgets for the consultants.
- Used coding and cloud architecture skills to support, migrate, and update legacy systems of various client organizations.
- Designed and built Managed File Transfer (MFT) solutions for AS2 and (S)FTP.
- Served as the MFT Practice Lead to design and build Managed File Transfer solutions for different lines of business using AS2 and (S)FTP(S).
- Trained and managed offshore teams to support the various systems implemented.
- Performed Dev-Ops, general support and quality assurance.

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TECHNICAL SKILLS

Design: Additive Manufacturing, CAD, Design for Assembly & Manufacturability, FDA Compliance, GD&T, Medical Devices, OnShape, Product Lifecycle Development, R&D, SolidWorks, Technical Drawing, UML

Integration: AWS (Aurora, CloudWatch, Dynamo, EC2, IAM, Lambda, RDS, S3, SNS, SQS), B2B, Boomi Cybersecurity, CrushFTP, Cleo, EDI, ELK Stack, Managed File Transfer, MuleSoft, REST, Snowflake, UI/UX

Mechanical: Biomechanics, Electronics, Ergonomics, Finite Element Analysis, FPGA, Heater Design, Materials Science & Testing, Mathematical Modeling, Mechatronics, Medical Devices, Model Based Systems Engineering (MBSE), Quality Assurance (QA), Research and Development (R&D), Robotics

Managerial: Agile, Asana, Azure DevOps, Confluence, Google Suite, JIRA, Lucidchart, Microsoft Office Suite (Access, Excel, PowerPoint, Project, Visio, Word), Market Analysis, Planisware, PMP, PowerBI, Project Planning, Scrum, Six Sigma, Tableau, Technical Writing, Validation

Manufacturing: 3D Printing, Automation, CNC, Embedded Controls, GLP, GMP, Injection Molding, Laser Cutting, Lathe, Lean, Milling, Mechanical Testing Systems, Soldering, Welding (MIG & TIG), Woodworking

Software Development: Abaqus, Adobe Photoshop, Bash, C++, Cloud Integration, Dataweave, Java, JavaScript, LabVIEW, Linux, Mac, MATLAB, Meshing, Scripting, SQL, RAML, Visual Studio, Windows

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EDUCATION

Master of Science in Engineering - Mechanical Engineering   Graduated May 2016
- **University of Colorado – Boulder, CO**   GPA: 3.8

Bachelor of Science in Engineering - Biomedical Engineering   Graduated May 2013
- **Tulane University – New Orleans, LA**   GPA: 3.1

Academic Honors:
Colorado Graduate Grant, Presidential Merit Scholarship, Engineering in Medicine, and Biology Society

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OTHER EXPERIENCE

Lippert Engineering LLC – Engineering Consultant for Additive Manufacturing   May 2016 – Present
Arvada, CO
- Performed proof of concept and ideation for a variety of different industries, including VR/AR, snowsports, pet supplies and, general consumer goods.
- Services included mechanical failure testing, new product development, patent submittal, prototyping, additive manufacturing, design for manufacturability, and embedded control design.
- *Projects*: Splitboard Manufacturing, Doggie-Talkie, ColdBrew Coffee Maker, Induction Grill Tongs

GoFire LLC – General Engineering Consultant   May 2015 – Oct 2015
Boulder, CO
- Created CAD drawings of the initial prototypes.
- Performed R&D to iterate on prototypes to perform accurate inhalant dosing.
- Leveraged Internet of Things (IoT) to allow consumers to communicate about their specific treatment plans.