

MICHAEL LOPRESTI

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SUMMARY

Hands-on leader skilled at transforming legacy applications to high-performing cloud-native applications. Strong development hands-on expertise in application development, agile methodologies and team building. Financial expertise includes fixed income trading, risk analytics and regulatory reporting.

LANGUAGES, TOOLS & SKILLS

- Languages: Java, Python, SQL, Scala, C/C++, NodeJS, Typescript, Perl and others
- J2EE, Spring, Spring Boot, JMS, JPA/Hibernate, Rest
- Docker, Kubernetes, Terraform
- AWS: RDS, Lambda, S3, ECS, EC2, Fargate, SQS/SNS, IAM
- React, React Native, Redux, AngularJS, Expo
- JUnit, TestNG, Jest, Cucumber/Gherkin, Cypress, Detox
- Oracle, Sybase, SQLServer, MySQL, Postgres
- Gradle/Maven, npm, pip, Jenkins, Gitlab, Github, Jira, Fisheye/Crucible
- Agile/Scrum, Kanban, TDD, BDD, Pair Programming
- Management: Performance Management, Leadership & Mentoring, Conflict Resolution
- Experience leading remote developers in London, India, Singapore, Central/Eastern Europe and across the US
- Certification: FINRA Series 99 Operations Professional

PROFESSIONAL EXPERIENCE

WISER SOLUTIONS

Jan 2020 - Present

Senior Engineering Manager

Remote

- Hands-on manager leading a team of five remote developers
- Transforming legacy bare-metal perl application to cloud-native NodeJS solution
- Spearheading CTO's "Engineering Discipline" initiative by introducing and formalizing scrum ceremonies
- Containerizing acquired application and dismantling monolithic interface

T. ROWE PRICE

Sept 2018 - Dec 2019

Senior Engineering Manager

New York, NY

- Hands-on leader, responsible for rearchitecting Investment Operations BI Reporting
- Built self-service reporting platform for all investment data, replacing 20 yrs of legacy stored procedures with cloud-native solution.
- Built team from 2 developers to 18, including developers, BAs, engineering manager, product owner, and UX designer
- Personally developed initial full stack prototype in Java/SpringBoot/MySQL/React using AWS Lambda
- Built and codified hiring best-practices and onboarding process
- Designed and architected highly-scalable microservices solution for Serverless AWS deployment
- Defined team standards for SDLC, including CI/CD, code reviews, integration testing requirements and deployment
- Formalized scrum stand-ups, grooming sessions, point poker, demos and retrospectives
- Mentored junior team members
- Mentored peers on agile best practices

RAMBIS TECHNOLOGY

Sept 2015 - Sept 2018

Senior Technology Director

New York, NY

- Director of Engineering specializing in modernizing teams and applications
- Led multiple teams to best practices using Agile Scrum

PACIFIC INVESTMENT MANAGEMENT COMPANY

Nov 2016 - Sept 2018

- Hands-on leader, responsible for PnL/Attribution Technology team and platform
- Built/Maintained Spring/Spring Boot/Oracle apps
- Led integration effort with Trade Capture team for simulated accounts
- Built and enriched testing processes and built JUnit infrastructure for CI builds
- Set/enforced coding standards and guidelines
- Instituted and led code review process using Gerrit/Fisheye/Crucible

- o Piloted initiative to migrate to Hadoop/Spark
- o Formalized scrum stand-ups, grooming sessions and retrospectives
- o Mentored junior team members and scrum masters

CLARIENT GLOBAL

Sept 2015 - Oct 2016

- o Built 20 person global technology team based in New York, Tampa, Chennai and Bangalore
- o Integrated Development, QA and BA silos into high-performing scrum teams
- o Standardized SDLC across Product, Development and QA globally
- o Unwound 65 person Infosys consulting team and replaced with 20 FTEs (saving over \$30k monthly)
- o Shortened release cycle from six weeks to insure quicker feedback cycle
- o Created Rapid Response Team to manage high priority patches. Reduced average incident closure time by 62%
- o Simplified scrum practice to focus on core principles of fast feedback
- o Instituted code review process using Fisheye/Crucible
- o Led initiative for automated regression testing, CI/CD
- o Mentored team leads and scrum masters

ROYAL BANK OF SCOTLAND

May 2011- Sept 2015

Head of Fixed Income Middle Office Technology, Americas

Stamford, CT

- Directed all aspects of Middle Office and Transaction Management Technology from project initiation through production support
- Worked closely with all levels to define priorities, deliverables and plans
- Hands-on technical architect responsible for defining and executing technology initiatives
- Managed project leads responsible for coordinating deliverables of large and small projects across multiple teams.
- Executed multi-year plan to reengineer legacy Perl infrastructure to Java SaaS architecture.
- Responsible for recruiting, performance reviews and compensation analysis.
- Built Omgeo Oasys Direct, Omgeo CTM and FINRA TRACE reporting projects using Java/Spring/JMS/Angular

BARCLAYS CAPITAL / LEHMAN BROTHERS

Feb 2006- May 2011

Head of Municipal Flow Trading Technology

New York, NY

Head of Cash CDO Technology

BANK OF AMERICA

2000-Feb 2006

Senior Architect/Team Lead, Credit Strategy Research

New York, NY

KLIGER-WEISS INFOSYSTEMS

1998-2000

Developer/Team Lead

Port Washington, NY

FREELANCE MUSICIAN

1995-2005

Guitar/Bass/Recording Engineer

New York, NY

EDUCATION

COLUMBIA UNIVERSITY, School of Engineering & Applied Sciences

1998

Bachelor of Science, Computer Science

New York, NY