

# 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

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