

Erik Lopez, Jr.

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EDUCATION

New York University, Center for Urban Science and Progress, New York, NY (In-Progress)
Master of Science in Applied Urban Science and Informatics

University of Texas at Austin, Cockrell School of Engineering, Austin, TX May 2015
Bachelor of Science in Computer Engineering
GPA: 3.38/4.00

WORK EXPERIENCE

Technology Analyst, Goldman Sachs; New York, NY

Asset Management - Central Trading Desk Tech Nov 2017—Jul 2019

- Developed and supported SecDB/Java applications to support trading activity within GSAM
- Built-out trade amendment UI in Angular for our trader users
 - Work included migrating project from javascript to typescript
- Uplifted locate repository from end-of-life infrastructure to newer Linux hosts.
 - Upgraded libraries, coordinated user testing, and managed code release.
 - Reduced technical risk and extensively documented architecture overview of application

Prime Services - Clearing Operations Tech July 2015—Nov 2017

- Responsible for the seamless processing of cleared futures trades, implementation of new regulations, and tech maintenance on our platforms.
- Updated trade posting model for our European clearing operations to comply with MiFID II I
 - Worked closely with operations and tech teams in London and Bangalore to finalize requirements, testing procedures, and coordinating code releases.
 - Changes affected more than 100,000+ daily trades, critical for client reporting
- Automated trade-refiguration process to save operations users 30 mins/day of labor.
- Fixed faulty trade processing app cache memory usage, capping its size from 18G to 9G by optimizing SQL queries used during start-up data hydration.
- Provided timely technical support throughout the workday and option expiry evenings
 - Supported daily completion of options processing; worth nearly \$10 billion on month end.
 - Fixed trade processing issues for Brazil operations to ensure proper client statement reporting.

Summer Intern, LTE Operations & Maintenance, Nokia Siemens Networks; Irving, TX May 2014-Aug 2014

- Collaborated on and tested team's telecommunication platform uplift project.
 - Patched memory-leak bugs and increased unit test coverage of existing C++ code base.
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TECHNICAL SKILLS

Programming Languages: Proficient with Java, comfortable with C++, familiar with Python

Web: Javascript, Typescript, CSS, and HTML

Operating Systems: Linux

Tools: IntelliJ IDEA, Aqua Studio, SVN, Git, Microsoft Excel, JIRA, Jenkins

DB: SQL, DB2, Sybase

Tongues: Fluent in Spanish