

Charles Lee

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WORK EXPERIENCE

Sr. Database Developer

2014 - 2017

Novantas, New York, NY

- Database owner of bank deposits analytics platform with 25+ clients and \$2T+ in total assets under analysis
- Tripled client base and assisted international expansion by maintaining SVN code repository and synchronizing shared code across clients and environments
- Coordinated database deployments of bi-monthly releases across five timezones and multiple servers
- Developed new features and enhancements
 - Improved accuracy of tracking CD renewal balances
 - Doubled drop-down loading speed by revamping dependencies to return all data in a single stored procedure call
 - Enhanced and generalized switch balance algorithm
- Collaborated with UI, QA, product management, and client services teams
 - Reviewed, merged, and deployed all bug fixes
 - Implemented automated testing to reduce bugs: random data queries, client-custom code, procedure compilation, post-deployment checks

Application Developer

2011 - 2013

JPMorgan Chase, New York, NY

- Lead developer of technology cost savings initiative that was promoted globally and led to \$3 million in savings for Asset Management in 2012
 - Brought transparency to recurring and erroneous technology charges via monthly billing to all Asset Management end users
 - Cleaned, loaded and standardized data from numerous billing sources
 - Automated charge inquiry and removal processes
 - Onboarded four other LOB's onto the Asset Management initiative
- Lead developer of suite of email-based automation tools used firm-wide – 15,800 distinct users and 116,000 transactions processed in 2012.
Use cases included:
 - On-demand document watermarking and pre-watermarked templates with associated violation tracking
 - Distribution of the monthly internal newsletter
 - Querying a database and receiving pre-formatted output
 - Automated alerts and escalations based on responses
- Owned Informatica ETL process and Oracle PL/SQL algorithm that allocated server-level costs to individual applications based on usage

COMPUTER SKILLS

Languages: SQL, T-SQL, C#, VB.NET, Python

Software: SQL Server, Oracle, SVN, Git, MS Access, MATLAB

Skills: Query optimization

EDUCATION

Bachelor of Science, *Operations Research*

2011

Cornell University, College of Engineering, Ithaca, NY

HOBBIES

Technical origami, Vipassana meditation