

## Highlights

### Summary

Results-driven technology leader with a proven track record in software development, project management, and data integration. Over 14 years of experience in leading cross-functional teams, architecting cutting-edge solutions, and optimizing data-driven processes.

Adept at fostering collaboration, enhancing user experiences, and ensuring data reliability.

Skilled in microservices development, GUI / API / data design, and automation.

Demonstrated ability to streamline operations, reduce processing times, and boost system performance. Seeking an opportunity to leverage expertise in delivering innovative solutions and driving excellence in the technology domain.

## Professional Experience

### Bank of America (Pactera, Collabera)    Lead Full Stack Engineer *Nov 2021 – Nov 2023, Feb 2024 – Current*

<i>Leadership</i>	Leading a team of Python developers, QA, and React developers. As the primary communication liaison, I was responsible for delegating tasks, training new team members, and overseeing code refactoring and standardization efforts. This role required effective collaboration and coordination among cross-functional team members.
<i>Data-end Python Pub-Sub Topics</i>	Architected a robust service framework that efficiently sourced and enriched security and price data from multiple diverse APIs and databases in real-time. This involved implementing a sophisticated fallback strategy to ensure data availability by seamlessly switching between sources in case of failures. The data was then aggregated and flattened before being published to the API endpoint.
<i>Back-end Python Flask / Swagger SingleStore Rest APIs</i>	Developed and integrated a high-performance API that bridged the robust service framework on the data end with the frontend trading portal, capable of responding with millions of rows per query. Implemented automatic documentation to enhance API usability and maintainability, ensuring seamless access and manipulation of real-time trading data.
<i>Front-end React Typescript Mui / AG Grid</i>	Spearheaded the construction of a cutting-edge portal that provided real-time trading data on inventory positions, transactions, and funding amounts, with drill-down capabilities. This portal featured customizable queries, themes, table layouts, and user profile saving capabilities, enhancing user experience and data accessibility.
<i>Data-end Python Oracle SingleStore</i>	Built and managed a daily ETL process that copied several tables between databases. This process included creating the necessary tables if they did not already exist, along with converting the field types, ensuring seamless and consistent data replication and availability.

### United Postal Service (Pactera Edge)    Metadata Engineer    *May 2021 – October 2021*

<i>Data-end Rust / Java</i>	Consolidated ServiceNow, SQL Server, Oracle, and DB2 meta-data into one centralized MetaCenter Data Server, enabling users to swiftly find relationships between databases.
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### JPMorgan Chase (KForce)    Lead Engineer    *September 2020 – April 2021*

<i>Automation Python</i>	Created a system for collecting and securely storing golden copy configurations and security certificates of Citrix Netscaler devices in offline storage.
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## Professional Employment Experience

### Revenue Management Solutions

### Full Stack Engineer

March 2019 – August 2020

<i>Data-end</i> Rust PostgreSQL Microsoft SQL	Established a data normalization and reconciliation process for physician and hospital billing statements, reducing record count from 2.6 billion to 700k rows and enhancing query efficiency and order processing time.
<i>Back-end</i> Java Apache Derby	Reworked a microservice to pre-cache active data in a temporary database for faster user access and data delivery via ActiveMQ, substantially decreasing main database load and enabling concurrent claims data work without affecting primary system performance.
<i>Front-end</i> Java React Microsoft SQL	Developed a GUI for operators to manually process non-standard insurance company claims, service lines, and remarks, incorporating custom date fields and shortcut keys for image manipulation to reduce processing time.

### Tinker Air Force Base

### Software Engineer

August 2018 – February 2019

<i>Automation</i> Rust	Developed a license-monitoring engine for IBM DOORS database, notifying subscribers of available licenses and optimizing team license utilization.
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### IPsoft Inc

### Automation Team Lead

July 2014 – August 2018

<i>Leadership</i>	Lead a team of 3 senior engineers, assigning tasks, reviewing code, facilitating communication. Mentored senior developers how to use backend Java functions to run bulk operations.
<i>Automation</i> Java	Designed and implemented tools for automata copying between servers and automata change detection for QA team use.
<i>Automation</i> Java	Created a universal library/wrapper for patching Unix, Windows, and network devices, standardizing external device connectivity and ticket verbiage while increasing automatic issue resolution rates.
<i>Automation</i> Powershell Bash Shell	Created and implemented a Windows and Linux Patching system, with automatic scheduling and deploying of security patches, enhanced error handling processes, retry mechanisms, and the ability to generate incident tickets in case of no automatic resolution.

### Column Technologies

### Solutions Engineer Consultant

January 2012 – June 2014

<i>Leadership</i> BMC Remedy ITIL / ITSM SOP	Collaborated with clients, including Temple University and New York Life, to provide onsite consultant services, lead technical discussions, gather requirements, and manage development processes. Conducted training and UAT sessions with clients to explain Incident Management, Change Management, Problem Management, and Service Request Management.
<i>Data-end</i> Splunk Remedy API	Developed an integration between Remedy and Splunk, using Splunk and Remedy APIs, to search and upload Splunk data into Remedy, enabling faster and more efficient data management.
<i>Automation</i> Bourne Shell Oracle	Programmed a script to copy environment configurations from the existing system to the new hardware, streamlining the installation process for the new BMC system.

### Tablet Incorporated

### Python Software Engineer

November 2010 – December 2011

<i>Front-end</i> Python	Developed a coupon discount system for hotels that enabled customers to make payments using coupon codes. Built an administration tool for managing coupons, store credit, and credit cards.
<i>Front-end</i> Python	Streamlined the creation of marketing newsletters by modifying a templating system to provide personalized variables such as user names and email addresses.

## Education

Rutgers University – Bachelors of Science Degree in Computer Science – Graduated 2010