

# Kevin Loun

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## EXPERIENCE

### FirstBank

Denver, CO

*Software Developer*

*May 2025-Present*

- Modernized legacy COBOL applications in a Z/OS environment, improving transaction speed, Java webservice latency, and reducing CPU usage by **15%**, resulting in lower operational costs.
- Enhanced CICS-based online systems supporting 10,000+ daily transactions to meet evolving business and compliance requirements, leading to a **20% reduction in regulatory incidents**.
- Collaborated cross-functionally in Agile sprints with business analysts and QA to deliver enhancements ahead of schedule in **85% of sprints**.
- Deployed containerized Spring Boot services with Docker/Kubernetes, shortening release cycles from **2 weeks to 3 days**.
- Optimized Java-based microservices, improving response times by **15%** and improving uptime by 99%
- Resolved **30+ on call production incidents**, reducing resolution time by **40%** through stronger error handling and monitoring.

### Pomona College

Claremont, CA

*Student Grader/ TA*

- Performed comprehensive evaluation of student R and SQL assignments in Data Science class, employing R programming expertise to validate accuracy, and communicated constructive feedback to students regarding SQL queries increasing average student grade by 8%
- Demonstrated proficiency in both R programming and SQL concepts by effectively grading student assignments, leveraging R and SQL for assessment of datasets and statistical analysis

## EDUCATION

**Pomona College**, Claremont, CA

*Bachelor of Arts in Mathematics & Statistics*

Relevant Coursework: Graph Theory, Computational Statistics, Big Data, Time Series

## SKILLS & INTERESTS

**Technical:** COBOL, JCL, DB2, Z/OS, CICS, Java, SpringBoot, SQL, Python, AGILE, JIRA, IMSDB  
**PROJECTS**

**Give Me Some Credit Competition** | Python, Scikit-Learn, Pandas *October 2023-December 2023*

- Conducted extensive EDA, Data Cleaning, and Feature Engineering on a large-scale dataset increasing model accuracy from baseline model by 30% using Pandas and Statistical Methods
- Trained and Tuned a Random Forest Model using Gaussian Process Optimization achieving 87% accuracy classifying clients for loan approvals

**Petal Planner Web Application** | Python, Flask, SQLite, HTML, CSS, ReactJS *May 2023-July 2023*

- Developed a dynamic Todo List web application using Flask, SQLite Database, HTML, CSS, and React, enabling seamless user task management with login and signup features.
- Integrated quote API to provide users with daily inspiration, while leveraging SQLite Database to store user statistics, and visually represented productivity through an interactive growing plant.