

# Kristoffer Stobbe

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## PROFESSIONAL EXPERIENCE

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### FloQast

Austin, TX

#### **Software Engineer II** (Aug 2024 - Present)

- Designed and implemented a high-performance caching service, decreasing API response times by ~75%.
- Developed a custom SDK with optimized Snowflake query abstractions, reducing execution times and ensuring seamless workflow integration across data pipelines.
- Implemented a responsive React micro-frontend architecture with a supporting TypeScript-based Node.js backend (RESTful APIs), enabling dynamic dashboard visualizations and real-time analytics across the platform.

### SunPower Corporation

Austin, TX

#### **Sr. Software Engineer** (Jan 2022 - Aug 2024)

- Led a cross-functional team (engineers, PMs, UI/UX) to develop a React-based financial application that automated solar financing workflows, processing \$2M+ in annual loans for thousands of customers nationwide.
- Architected scalable APIs in Java Spring Boot and built a robust hosting infrastructure on AWS using the Cloud Development Kit (CDK), ensuring security and high availability for a growing user base.
- Designed and implemented a NoSQL (DynamoDB) data model with an ETL pipeline ingesting real-time data into AWS SageMaker, enhancing predictive model accuracy and enabling advanced analytics for operational efficiency.

#### **Software Engineer** (Jan 2021 - Jan 2022)

- Built a full-stack React/Node/MongoDB application to automate dynamic report generation, reducing manual data processing by 40% and integrating seamlessly with third-party analytics tools such as Tableau and Power BI.
- Boosted application performance and scalability by containerizing services with Docker, deploying to Amazon EKS with Jenkins CI/CD pipelines, and integrating ElastiCache to reduce latency and enable automated resource scaling.
- Developed an ETL pipeline that reduced data processing time by 30%, improved reporting accuracy through enhanced data validation, and accelerated data-driven decision-making.

#### **Data Analyst & Engineer** (Mar 2020 - Jan 2021)

- Engineered a full-stack system for government lien filings, leveraging OCR for document parsing and Flask APIs for automated submissions, processing 80,000+ documents and saving 2,000+ manual work hours.
- Enhanced operational workflows by automating data collection and submission processes with Python (Flask) and Selenium, while building user-friendly internal interfaces using HTML/CSS to improve team efficiency.

### SAS Institute

Austin, TX

#### **Technical Support Engineer** (May 2018 – Mar 2020)

- Developed a Node.js API-driven full-stack application to automate and streamline customer log parsing and analysis, accelerating data collection by 35% and enhancing accessibility through real-time dashboards for support teams.
- Provided critical SAS programming support and authored integration documentation between SAS and Python, aiding cross-functional teams in advanced analytics.

## TECHNOLOGIES

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- **Programming:** JavaScript, TypeScript, Python, Java, HTML, CSS, R, SAS
- **Libraries & Frameworks:** React, Next, Vite, Redux, Node, Express, D3, Flask, Spring Boot
- **Data & Analytics:** SQL, DynamoDB, MongoDB, MSSQLServer, OracleDB, Pentaho, PowerBI, PowerQuery, Excel
- **DevOps:** AWS Management Console, AWS CDK, Github Actions
- **Versioning and Productivity:** Git, GitHub, Gitlab

## EDUCATION

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### Georgia Institute of Technology

August 2023

MS, Data Analytics

### Baylor University

May 2018

BS, Electrical & Computer Engineering, Minor Mathematics

Waco, TX