

Austin G. Arbor

Work Experience

Staff Software Engineer WORKIVA

August 2021 - Present

- Designing and building a system capable of turning any REST API into a fully customizable no-code integration that can be used throughout our platform. Once completed, there will no longer be any manual engineering effort required to on-board new services for clients. Moreover, it will vastly reduce the amount of custom code we are required to maintain.

Backend Engineering Lead ONECLOUD (ACQUIRED BY WORKIVA)

November 2019 - August 2021

- Spearheaded a service which allows clients to enrich, transform, and aggregate tabular and JSON data in a streaming fashion. Modifications could be viewed at each step of the pipeline and in real time
- Managed enhancements for our internal state machine and our client-deployed server software
- Created various integrations with third party services

Backend Engineering Lead FLASHTALKING

January 2018 - November 2019

- Implemented a real-time betting feed capable of serving over 1 million requests/minute from a single node
- Designed an engine to track trending product data to be used in serving endpoints with less than 10ms response times
- Created an item-to-item recommendation service with weighting, allowing selected metrics to greater influence the calculated similarity between items

Senior Software Engineer SPONGECCELL (ACQUIRED BY FLASHTALKING)

October 2016 - January 2018

- Developed an analytics querying API to replace an Elasticsearch cluster, resulting in \$30k/month savings and 50% faster response times
- Reduced Redshift storage consumption by 40% and improved query speed by 20% without any change in data resolution
- Created item-to-item recommendation engine using Apache spark, requiring 33% less memory than the existing MapReduce implementation
- Developed a load-shedder in GoLang to gracefully handle traffic spikes and unexpected failures in serving endpoints

Lead Software Engineer J.P. MORGAN

March 2015 - October 2016

- Pioneered a contact management synchronization platform which increased user efficiency by over 50%, improved time-to-market from 24 hours to less than 1 minute, and added advanced security controls to enhance data privacy
- Implemented a data feed for a private equity waterfall calculation engine, turning an entirely manual, excel-based process into a fully automated and auditable process

Associate Software Engineer J.P. MORGAN

January 2014 - March 2015

- Delivered enhancements that decreased production incidents and ad-hoc user requests by 23% and reduced incident resolution time by 15%
- Facilitated weekly meetings with business stakeholders and senior management to foster collaboration and garner feedback

Analyst Software Engineer J.P. MORGAN

July 2011 - January 2014

- Assisted with Java, JavaScript, and SQL code development for front-end, middle-tier, and back-end application layers
- Managed the planning and execution of new application development and enhancement projects

CTO ORPSTER

May 2011 - November 2012

- Developed a real-time "stock market" for fantasy NFL players in which prices fluctuated based on in-game performance as games progressed

Software Engineering Intern J.P. MORGAN

January 2010 - August 2010

- Identified an opportunity for IT-enabled innovation within the firm that would foster multi-million dollar efficiency-based savings, dramatically reduce new employee on-boarding time, and streamline desktop software deployments

Skills

Programming Java, SQL, GoLang, Kotlin, Python, Elixir

Technologies Spring, Apache Spark, MapReduce, Kafka, HBase, AWS, Terraform, Redis, MySQL, Postgres, Docker, Git

Education

B.S. Computer Science SYRACUSE UNIVERSITY

August 2007 - May 2011

- 3.6 GPA, Cum Laude
- Computer Science and Engineering Management Minor

Notable Activities and Achievements

2015	Certified ScrumMaster , Scrum Alliance	New York, NY
2013	Top Rated Technology Analyst , J.P. Morgan	New York, NY
2009	1000 Hours Community Service Organized , Sigma Alpha Mu (Eta Chapter)	Syracuse, NY
2007	Member , National Society of Collegiate Scholars	Syracuse, NY