

Tim Siwula
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EDUCATION

- **University of San Francisco** San Francisco, CA
Bachelor of Science in Computer Science Jan 2014 - Graduation May 2017

TECHNICAL SKILLS

- **Languages:** Java, Nodejs, Python, Vuejs, C, R
- **Technologies:** Linux, AWS, Docker, Hadoop, PostgreSQL, Git, Terraform

EXPERIENCE

- **Carepoint Pharmacy** Chicago, IL
Software Engineer Oct 2022 - Present
 - **Segment API Integration:** Integrated segment analytics into C# and .NET backend for many user API calls
 - **Data Automation Background Worker:** Created a daily service that downloads
- **Sophos** Chicago, IL (Remote)
Software Engineer Jan 2022 - May 2022
 - **Enhanced internal API:** Increased developer velocity by refactoring and decoupling internal AWS SQS library
 - **Docker container testing:** Increased docker container stability by 20% by diagnosing and writing variable sized performance tests.
- **Acceptance AI** Chicago, IL (Remote)
Software Engineer Jan 2020 - Jan 2022
 - **Zoom OAuth Integration:** Integrated a backend Node.js library with Zoom's OAuth API using JWTs
 - **Webinar API Integration:** Enabled support for Zoom webinar API calls via OAuth token credentials.
- **Ensign** Chicago, IL (Remote)
Software Engineer Jun 2019 - Oct 2019
 - **Dockerized test framework on Bamboo:** Worked between teams to port legacy test framework from protractor to cypress within docker.
 - **Data pipeline:** Updated Redshift and Hadoop tables in ETL pipeline to support new column for enhanced reporting capability.
- **ConsenSys** San Francisco, CA (Remote)
Software Engineer Jul 2017 - Dec 2018
 - **Java Enterprise Ethereum Client:** Worked with an Agile team that developed a Enterprise Ethereum Client to compete with HyperLedger, donated to Apache Foundation
 - **Rust API for Generating Ethereum Wallets:** Exposed an API written in Rust that would then spawn a child process with the Parity CLI tool and capture and store result in PostgreSQL database
 - **Haskell Side-chain:** Augmented existing Haskell side-chain client to request/transfer transaction data from another node used P2P networking

PROJECTS

- **HappyENS:** Open source domain name server (DNS) library for resolving *.eth domains that are associated to an address on the decentralized web.
- **Ad Click Prediction:** Used random forests, bagging and SVM to create a model that predicts the likelihood of a user clicking through. Created custom features by integrating several disjoint tables in increments of 500K using R and Postgres.
- **The Comedy Bot:** Published: Messenger chatbot that was live in production on Facebook & Deployed: Heroku node server that calls AWS lambda for requests & Twilio sms chatbot.