

Liam Niehus-Staab

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Experience

Senior Full Stack Software Engineer

Remote

EAVE TECHNOLOGIES

July 2023 - January 2025

- Owned code documentation automation product, supporting writing code docs in 13 of the most popular programming languages
- Headed initial R&D for analytics product, creating proofs of concept for tracking database and networking events
- Implemented analytics tracking on date planner product to enable data-driven product decisions
- Conducted user interviews to identify pain points, refine product features, and prioritize enhancements
- Created internally deployed admin dashboard for handling booking confirmations with GraphQL and React.js
- Date planner web app at <https://www.vivialapp.com>

Software Engineer II (iOS)

Remote

HONEY (PAYPAL)

February 2021 - July 2023

- Architected and built automated translation system in JavaScript for Honey mobile apps, saving 6 hours of dev time each release
- Increased iOS app checkout flow engagement by 40% by animating checkout toast notification
- Created publishing pipelines with Jenkins and GitHub Actions to enable sharing mobile code between Honey and PayPal
- Developed product detail and checkout page UI using Swift and Xcode for the Honey iOS app
- Ported the product detail page from React Native to native Swift
- Maintained automated deployment processes, and internal Slack bots, for Honey iOS and Android apps.

Software Engineering Intern

Mountain View, CA

HYTRUST INC.

June-August 2019

- Used openAPI to make public Python Django API self-documenting, making customer-facing documentation updates instantaneous
- Increased products' network security by integrating SSL certificate validation between linked cloud VMs, utilizing openSSL

Head of Android Development

Grinnell, IA

GRAMMIEGRAM LLC

August 2018 - June 2019

- Led a small team in an Agile environment with a test-driven approach to build out native Android experience
- Developed REST API in Python with Django for use iOS and Android apps
- Created a proof-of-concept mobile app in Java that mirrors the messaging behavior of our web app

Co-Founder and Full Stack Developer

Grinnell, IA

GRAMMIEGRAM LLC

April-August 2018

- Developed the backend database design for user preferences using Python and Django
- Designed frontend UI for the contact management page using JavaScript and Bootstrap
- Constructed and maintained pytest unit testing for the GrammieGram web app

Projects

partyq Android App

Fall 2020

(SIDE PROJECT)

- Distributed music queue mobile app that connects guests via bluetooth/wifi and plays music through the Spotify dev SDK
- Developed in Kotlin using MVVM design pattern and released as open source
- Used GitHub Actions and Fastlane tools to automate releases to the Play Store
- See project at <https://github.com/niehusst/partyq>
- See on Google Play Store at <https://play.google.com/store/apps/details?id=com.niehusst.partyq>

Compliance Accomplice

Oct 2018

HACKUIOWA

- Developed email middleware using Python to detect and prevent SEC compliance violations using Natural Language Processing
- Won "Best Commercial Potential" and "Best use of Google Cloud" awards
- See project at <https://github.com/niehusst/ComplianceAccomplice>

Education

Grinnell College, Bachelor's Degree

Grinnell, IA

COMPUTER SCIENCE MAJOR

2016-2020

- Major GPA: 3.76 Overall GPA: 3.6

Skills

Programming Languages Python, Swift, Kotlin, JavaScript, Java, C

Mobile Android Native, iOS Native