

Justin Lieu

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EXPERIENCE

Google via Accenture

Technical Support Engineer for YouTube

Dec 2022 – Current

- Executed comprehensive SDK scripts and tools to conduct functional, compatibility, and regression testing across diverse staging environments including Android Studio emulators, iOS devices, Safari, Chrome, and Firefox.
- Spearheaded troubleshooting efforts of identified bugs and devised solutions for partner engineering by developing API test scripts in Visual Studio Code and Google Apps Script by leveraging JavaScript, Postman, and OAuth 2.0 Playground.
- Supervised and mentored cross-functional team members to ensure timely delivery of software releases to a production environment serving over 2.7 billion monthly active users.

Cloud Support Engineer for Stadia

Jan 2022 – Dec 2022

- Provided technical solutions and support to developers via code debugging, platform level troubleshooting, and application services onboarding through ad hoc code reproductions, first level bug triaging and escalations, and production of standardized technical documentation.
- Independently programmed a chrome extension tool via Manifest V3 to monitor cross-functional team member's utilization times and effort compositions.
- Augmented Stadia's esteemed developer communication channel reputation by scoring a personal Google QASA (quality assurance application) average of 100% over a one year period.

WaterGuru

Data Analyst

Nov 2020 – Nov 2021

- Queried AWS Aurora, AWS Dynamo, and spreadsheets via Python MySQL library, Boto3, and gspread to analyze product performance, and influence product design decisions through diagnostic presentations and proposals.
- Evaluated and interpreted commercial data and customer behavior by leveraging WooCommerce API, Salesforce API via SOQL usage, and Survicate to provide critical guidance on resource allocation and to optimize marketing campaigns.
- Created and managed a sophisticated SPA integrated with a Postgresql database to visualize commercial, app, consumer and live product data via Plotly and ARIMA models resulting in an informative, live dashboard.

EDUCATION

Software Engineering Certification

[App Academy](#) | San Francisco, CA | June 2019 - Oct 2019

Bachelor of Science in Computer Science

[Santa Clara University](#) | Santa Clara, CA | June 2019

PROJECTS

ViewTube (Ruby on Rails, PostgreSQL, React, Redux, CSS, Webpack, AWS, Heroku)

[Github](#)

A single page YouTube clone where users can upload, watch, comment on, like, dislike, delete, edit, and search for videos

- Incorporated scalable object storage through image and video hosting that was integrated via AWS S3 and Rails ActiveStorage and culminated in vast user frontend contributions.
- Employed Active Record comparison methods to render relevant videos for a search class component resulting in expeditious table lookups.

TravelPack (MongoDB, Express, React, Redux, Node.js, CSS, AWS, Heroku)

[Github](#)

A comprehensive MERN stack travel app built in team of four engineers while utilizing Git workflow and meticulous, safe branching

- Achieved user backend authentication utilizing BCrypt for password encryption, ensuring users can only access Mongoose models embedded under their confidential group.
- Formulated Node Express framework with Multer to upload files to AWS S3 concluding in photo sharing services for users
- Established multiple subdocuments in pack schema that are updated via MongoDB operators leading to robust and dynamic app structure with simplified unit testing potential.

SKILLS Python, JavaScript, Java, C, React.js, Redux.js, Ruby, Ruby on Rails, MongoDB, Express, Git, Node.js, AWS, SQL, jQuery