

# Justin Lieu

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## EXPERIENCE

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### Google via Accenture

#### Technical Support Engineer for YouTube

Dec 2022 – Current

- Executed comprehensive SDK scripts and tools to conduct functional, compatibility, and regression testing on third party software across diverse staging environments including Android emulators and iOS devices, enriching user experience.
- Spearheaded troubleshooting efforts of identified bugs and devised solutions for third party 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 six cross-functional team members to ensure timely testing and 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 code reproductions, bug triaging, and production of standardized technical documentation.
- Independently built a chrome extension tool via Manifest V3 to monitor cross-functional team member's utilization times and effort compositions, resulting in increased team productivity and automated data collection.
- Augmented Stadia's esteemed developer communication channel reputation by maintaining a perfect personal Google QASA score 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, resulting in critical guidance on resource allocation and optimized 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

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### 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

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### 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, culminating 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 agile practices and Git branching workflow*

- 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

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**Languages** | JavaScript • Python • SQL • Java • C • Ruby • HTML • CSS • Node.js • jQuery • Scala • Bash • Assembly

**Frameworks and Libraries** | React.js • Redux.js • Ruby on Rails • Express • Plotly

**Cloud Tools** | MongoDB • DynamoDB • Amazon Aurora • Git • AWS S3