Thanh Mac

(206) 446-2771 | tommyaznmac2k@gmail.com | https://www.linkedin.com/in/tommy-mac-4a5087122/

EXPERIENCE

Invitae— *Software Engineer* – 07-2021 - Present

- Rebuilt reporting tools to automate reports using modern technologies like (aws, redis, netflix's conductor, kafka and etc) and decreased turnaround time for patients by over 80%.
- Built UI and features using (react-typescript) that saved lab-technicians- 20 hours each week on sample processing allowing for a 50% sample volume processing increase.
- Reduced roughly 80% of pagerduty alerts by integrating a notification system to automate production support which saved up to 10 hours each week for on-call developers
- Led a program "phenotype-service" to decommission an outdated phenotyping calling service and allow for scalability for the product.
- Provided enhancement features and supports to existing monolith and microservices.
- Created an end to end testing protocol for full coverage testing during deployments to minimize bugs on production using Jira and Confluence.
- Utilize technologies like new-relic and AWS cloudwatch to monitor services and troubleshoot problems across various environments.

Invitae — *Production Support Engineer* – 01-2021 - 07-2021

- Collaborated with stakeholders and engineers to resolve any arising bugs or failures found in software on production.
- Utilize tools like cloudwatch, new relic, splunk and SQL Server database to monitor and troubleshoot any software problems across various environments.
- Worked with engineers and product managers to implement deployment/testing plans for new rolled out features or a launch of new softwares.
- Participated in implementation/designs of requested features from stakeholders and further improved users quality of life during specimen processing.
- Implemented a deployment plan and software run-book for new/current engineers using jira and confluence.

Lab-Corp — *Sample Accessioner* – 07-2020 – 09-2020

- Communicated with each department in regards to sample status during accessioning and any special requirements needed for sample handling .
- Adhere and keep SOPs (Standard Operating Procedures) up to date and maintain communication and documentation in accordance with department procedures and policies.

PROJECTS

Personal Portfolio | http://heybro200.dev.s3-website-us-west-2.amazonaws.com/

- Utilize a react-developer tool to display personal details about my career and tailwind css to add modern styling.
- Deployed using AWS S3 using npm and AWS CLI to be made available to the public users.
- Utilize openapi like weather api to build and display weather based on requested location using "axios" gateway and aws lambda.
- Implemented a calculator app using react redux to do basic math operations.

League of Legends Statistics

- Utilize javascript front-end to implement the UI to show champions statistical information regarding classes using the league of legend openapi.
- Maintained images and requests to AWS s3 using backend django service using boto3 to request images to be served

to the frontend.

EDUCATION

Coding Dojo, Bellevue, WA— *Python Full –Stack Development –* 01-2021 - 06-2021

- Created an automated sudoku solver using javascript.
- Designed and implemented a UI and Backend to present video game (League of Legends) statistics using React and Django.

University of Washington Bothell, Bothell, WA — B.S *Biochemistry –* 09-2016 - 06-2020

SKILLS

<u>Languages</u>: Python, Javascript

<u>Framework</u>: Django, Flask, Typescript, ReactJS.

<u>Tools</u>: Git, AWS (CDN CloudFront, S3, RDS, Redis, CloudWatch), Docker, PagerDuty, Sentry, Kafka, Tableau, SnowFlake, NewRelic, Playwright, WebdriverIO.

<u>Databases</u>: SQL(PostgresQL, MySQL), NoSQL, AWS RDS.