Dhipauk Joqim

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**EDUCATION**

**Master of Science in Computer Science** • California State University East Bay, CA• GPA: **3.7/4** **May 2023**

**Bachelor of Engineering in Computer Science** • Anna University, India • GPA: **8.7/10** **Jun 2015 – Jun 2019**

**TECHNICAL EXPERIENCE – SOFTWARE ENGINEER**

**SUMITOVANT BIOPHARMA | New York, NY, US May 2022 – May 2023**

**Software engineer intern**

* Fabricated the DRUG OME Alertstool based of the React JS framework in creating Single Page Applications, binding data to specific views as well as synchronizing data with server using Sass, LESS and Bootstrap.
* Leveraged REST/Web API to create services, testing on Postman and in-turn used HTTP service calls. Architected backend in Python (Flask - micro web framework) and **SQL** followed by Jasmine and Jest for unit testing.
* Achieved continuous delivery on a highly scalable environment. Imaging with Docker coupled with load-balancing tool Nginx.
* Tailored tool to the Computational intelligence team who in collaboration with machine learning engineers and AI scientists to drive intuitive integration of NLP. Increased efficiency of drug discovery and commercialization by **34%**.
* Improved the usability, interpretability, and effectiveness of Sumitovant’s Biopharma Executive Leadership Team (ELT) yielding direct impacts to stakeholders. Fixed more than **19 critical bugs** on-time for the planned sprint releases.

**TALKDESK | Chennai, India**

**GCP engineer Dec 2020 – Jul 2021**

* Designed and developed natively compiled desktop and mobile applications from a single codebase with Flutter. Configured services such as Data Proc, Storage, BigQuery using cloud shell SDK in the Google Cloud Platform.
* Experience in moving data between GCP and Azure via Azure Data factory. Boosted capabilities of these features and improved **code coverage up to 92%**.

**Software engineer – Timesheet application Jun 2020 - Oct 2020**

* Constructed a high-performance customer facing timesheet web application based of MongoDB along with a custom API layer, handling CRUD transactions, JWT token management and interceptors to embed custom headers.
* Maintained high-level expertise in React state management strategies including Redux, Redux-Persist and Redux-Saga. Integrated an interactive dashboard enabling users to track their progress accompanied with a holiday availing and employee appraisal system.
* React Flux and Redux architecture using complex object-oriented concepts in improving the performance of the web application. Deployed the application to cloud in route of Windows Azure and managed the state.

**Software engineer – Outbound dialer application Sep 2019 - Jun 2020**

* Pioneered the architecture for an [outbound dialer](https://www.talkdesk.com/cloud-contact-center/omnichannel-engagement/proactive-outbound-engagement/) essential for a cloud contact center platform involving a synthesized call distribution algorithm. Increased productivity by **39%**. Converted the strategic and client business requirements into technical specifications to commence the development.
* Designed and spearheaded the architecture for a dashboard scheduler aggregating data from a Mongo DB database, in turn visualizing as a cartesian from querying **100,000** documents at frequent intervals**.** Integrated a billing scheduler aggregating daily and monthly operation expenses.
* Scaled application using cache tiers via the Content Delivery Network (CDN) to provide availability and performance for content served online including provisioning of Global Traffic Management (GTM).

**API engineer – Microsoft Dynamic 365 Integration - Ruby Feb 2019 – Sep 2019**

* Instrumental in the development, maintenance, and synchronization of contacts, leads between Talkdesk and Microsoft Dynamics CRM. Integrated a customconversational bot using Microsoft Graph API. Resolved and delivered more than **50 critical** client and production issues on time.

**SKILLS**

**Languages:** JavaScript, C++, C#, Java, Python, Ruby on Rails and Sinatra.

**Frameworks:** .NET, Flask, Django, React, Angular, React Native, Redux, Saga.

**Databases:** MySQL, PostgreSQL, MongoDB.

**Tools:** JIRA, Confluence, Eclipse, Postman, Git, Eclipse, Kafka, AWS, Azure, Docker, Kubernetes, Websockets.

**Web Technologies:** HTML5, NodeJS, API, VueJS, ECMAScript 6, WebGL, OpenGL, Typescript, GraphQL.

**CERTIFICATIONS**

* **Microsoft Certified Web Developer** – Programming in HTML5 with JavaScript and CSS3.
* **Oracle Academy** – Oracle certified associate (OCA) as a PL/SQL developer.
* **Oracle Cloud Infrastructure (OCI) –** Performance control and governance of enterprise datacenters.
* **Microsoft cloud workshop (MCW) –** Conducted workshop and paper presentation on fostering cloud learning and adoption.
* **Cambridge English language assistant (BEC)** – Secured Grade “A” in Cambridge English Level International (Business Vantage)