SHREETI SHRESTHA

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SUMMARY

A highly skilled Computer Engineer with a proven track record as a Senior Software Engineer in the IT industry, showcasing enthusiasm, motivation, and a passion for learning. Possesses expertise in both front-end and back-end frameworks, mobile development, and a strong aptitude for teamwork and adaptability

WORK EXPERIENCE

Senior Software Engineer | Leapfrog Technologies Pvt. Ltd. **May 2024 - present**

Trayt Health - Better clinical intelligence for brain and behavioral health

- Work as a Fullstack engineer to deliver accurate aggregated key metrics reports and dashboard visualizations for customer engagement behavior patterns and insights.

Memora Health - The leading intelligent care enablement platform. Simplifying how patients & clinicians navigate complex care delivery

- Worked as a Solutions Engineer to design and deliver custom communication solutions that enhance connectivity between patients and healthcare providers.
- Implemented complex patient programs using custom workflows and observation hook functions for patient surveys, tips and feedbacks.
- Collaborate with clients to understand their specific needs, implementing secure, user-friendly platforms that streamline patient-provider interactions, improve patient satisfaction, and optimize care delivery.

Lead Software Developer | The Trops **Apr 2021 – present**

The Trops - A cross-platform app promoting arts and culture by supporting local community economies

- Successfully developed and published the app to Google Playstore and AppStore, ensuring a seamless user experience across multiple platforms
- Contributed to architecture planning in the initial phase, streamlining the app development process, worked on NoSQL to SQL migration, Express to NestJS refactors
- Collaborated closely with the client team and designers to plan and design different features, and led the engineering team for implementation
- Leveraged extensive features from Firebase tools (Firestore, FCM, Crashlytics, Storage, and Cloud Functions), Google Cloud Platform(GCP) and AWS to enhance app functionality and stability
- Designed and developed a streamlined content management web application for Trops app to enhance the productivity and efficiency of the ecosystem by more than 75%

Software Engineer | Plerion LLC **Aug 2023 - Mar 2024**

Cloud Security Posture Management (CSPM) – A service within the Plerion platform for analysis and risk scoring of any cloud-based environment against the bench line security practices

- Investigate cloud provider services, and formulate how we can leverage said services or write detections to ensure security risks are well identified against best cybersecurity practices for said services
- Aligned to the Cloud Security Posture Management (CSPM) stream to work on APIs related to AWS, GCP and Azure Knowledge with AWS Lambda, Batch, ECS, Step Functions, IAM, API Gateway, ECS, CloudWatch, CloudFormation to build out CSPM features and functionalities
- Familiarity with languages and frameworks such as Serverless, Typescript and React

Senior Software Engineer | Cotiviti Nepal **Feb 2019 – Apr 2023**

Network Intelligence - A web application providing data-driven insights to healthcare stakeholders, enabling quality value-based care

- Crafted advanced, interactive data visualizations in the frontend that enhanced user experience and revealed valuable insights for research clients
- Enhanced the reporting module by optimizing backend APIs and employing appropriate data structures, resulting in up to a 30% improvement in performance
- Assumed complete responsibility for migrating the entire authentication service from the deprecated CAS-based system to an Okta-based system, ensuring a seamless transition and enhanced security
- Played a key role in establishing a frontend unit testing framework and significantly increased code coverage for major units to over 60% within three quarters, ensuring improved code reliability and maintainability
- Served as a mentor for several cohorts of company-organized Python internships and traineeships, provided onboarding training for new hires, and participated in team interview and recruitment processes to facilitate talent acquisition and development

Frontend Developer | Dallo Tech Pvt. Ltd. **Nov 2018 – Feb 2019**

EDUCATION

Bachelor in Computer Engineering **2014 – 2018**
Pulchowk Campus, IOE, Tribhuwan University

Intermediate Science (+2) HSEB **2012 – 2014**
Nasa International College, Kathmandu

AWARDS AND ACHIEVEMENTS

Ncell Excellence and Scholarship Award **2016, 2017, 2018**
Ncell Axiata Ltd.

2nd NASO Women in Science Award **2018**
Women in Astronomy Nepal and Nepal Astronomical Society

Winner, AT Hackathon **2018**
Thapathali Campus

Nominee, President's Circle of Excellence **2020**
Cotiviti

SKILLS

Frontend Development	Vue, React, Backbone, Marionette, Vanilla JS
Backend Development	Node(TS/JS)/Express/Nest.js, Python, Django/DRF, Serverless framework
Mobile App Development	Flutter, React Native
Database	PostgreSQL, MySQL, Firestore, MongoDB
Others	AWS, Firebase tools, GCP, D3.js, Pandas, Numpy, Jupyter, OpenStreetMap

VOLUNTARY EXPERIENCE

Province Coordinator, World Space Week Nepal **2021**

Event Organizer, LOCUS, IoE Pulchowk **2015 – 2018**

PUBLICATIONS

Decentralized Electronic Health Record System using Blockchain, **2020**

PROFESSIONAL REFERENCES

- **Stanley Chung |** Technical Product Owner, Network Intelligence, Cotiviti
  stanley.chung@cotiviti.com
- **Edmund Cong |** Stream Lead, CSPM, Plerion
  edmund.cong@plerion.com