Aneem Patrabansha

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WORK EXPERIENCE

Yara International   **Sep. 2020 – Present**
Software Engineer, Remote [Contractor]   *Singapore*
- Developed UI (React Native) components for reward-based loyalty mobile app.
- Automated business process for reward cancellation and manual QR-transactions import.
- Integrated external CRM software for loyalty management app targeting retailers and distributors.
- Automated QR, products and rewards import functionality across multiple integration layers.

Kalysys   **Mar. 2019 – Aug. 2020**
Software Developer, Remote   *Melbourne, Australia*
- Developed UI (React) components/pages for CRM and Business Management System.
- Reduced AWS expenses by 40% after trimming over-provisioned resources.
- Implemented Postgres stored procedures to optimize slow API endpoints requiring multiple joins.
- Developed booking & reminder system; reduced the number of missed appointments by 15%.
- Optimized SPA startup time after implementing client API caching; reduced server load by 25%.

LIS Nepal Pvt Ltd   **Feb. 2017 – Feb. 2019**
Software Engineer   *Kathmandu, Nepal*
- Developed UI (Angular) components/pages for online stock trading web app.
- Developed auto-reconnecting web-socket custom library to improve real-time data fetching.
- Integrated Jenkins pipeline lowering deployment time by 40% and improving dev efficiency.
- Integrated application monitoring platform (Sentry) which improved bug-detection/bug-fixing time by 20%.
- Developed in-house Role Based Access Control (RBAC) module for authentication/authorization.
- Developed cron job management system to automate batch job execution.
- Developed ETL validation module to compare csv files for data inconsistencies.

Young Innovations   **Nov. 2016 – Jan. 2017**
Software Trainee   *Kathmandu, Nepal*
- Integrated new data import format to track global non-profit funding for UNOCHA
- Developed python scripts to migrate NoSQL data for deprecated web app.

EDUCATION

Kathmandu University   **Aug. 2012 – Sep. 2016**
B.S.E. in Computer Science Engineering   *Dhulikhel, Nepal*
- In-major GPA: 3.44
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Engineering Entrepreneurship; Calculus III.

SKILLS & INTERESTS

- **Skills:** AWS services; JavaScript; TypeScript; Python; HTML; CSS; PostgreSQL; Angular; React; React Native; Nodejs; ExpressJs; Java; Docker; Kubernetes; Jest.
- **Interests:** Problem solving; enterprise software architecture; cloud computing; microservices; application security; release management; computer networking.

SOFTWARE PROJECTS

- **Yara Connect (2020-2021):** Reward-based loyalty program for multiple users in fertilizer value chain- retailers, dealers, sub dealers, distributors, factories. [React Native, React, Firebase, Code Push, Fastlane, Nodejs, ExpressJs, Postgres, Apache Kafka, Kubernetes]
- **Hair Quality Monitoring (2020):** Application to help people with hair loss keep track of hair regrowth and monitor progress. [React Native, Firebase, MobX, Python, Django, Postgres]
- **Grubbrr (2020):** Online ordering and self-order kiosks for restaurants. [jQuery, HTML, ASP.NET]
- **Kalysys (2019-2020):** Cloud ERP solution aimed at dietitians and nutritionists for handling daily practice management. [React, Node, Postgres, AWS Beanstalk, Cloud9, Twilio, SendGrid]
- **NEPSE Online Trading System (2017 – 2019):** Online stock trading platform allowing brokers/clients to execute orders (equities, bonds, mutual funds) and manage user portfolios. [Angular, Typescript, Java, MSSQL, Nginx, RabbitMQ, Wildfly/JBoss]
- **R2 Bitcoin Arbitrager (2018):** Automatic Bitcoin arbitrage trading system allowing multiple user sessions and history tracking for crypto trades. [Angular, Node, Docker, Digital Ocean]
- **Tourism Management System (2017):** Management information system facilitating tourist visa process for travel, trekking and mountaineering adventures. [JSP, Java, Wildfly]
- **ETL Validation System (2016):** Standalone ETL validation module to compare two csv files for data inconsistencies and generate summary report. [Python, Pydoc, Oracle DB, Teradata DB]