Kunal Pareek

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Summary   Experienced in developing robust and highly scalable products with microservices architecture. Proven leadership skills, excellent problem-solving ability, and a strong aptitude for Node Js, Golang, MongoDB, MySQL, Cloud (AWS, GCP), etc. Experienced in leading cross-functional initiatives, and project and team management.

Skills   Backend**: Node JS, Golang, Python**
Web: **HTML, CSS, JavaScript, TypeScript, Angular**
Databases: **MongoDB, MySQL, Firebase, BigQuery, DynamoDB**
Cloud: **AWS, GCP, Docker, Kubernetes, DevOps**
Miscellaneous: **Redis, Kafka, RabbitMQ, SSO Auth, Microservices, Problem-solving, Websockets, AWS Lambda, SQS, GCP Cloud functions, PubSub, AppEngine**
Management: **Team, Project, Stakeholder, and SLA Management, Release & Delivery planning**

Experience   **Biofourmis,** Bengaluru | *Development Manager*
Oct 2020 - present

Designed and architected the Biofourmis Care product from scratch with microservices architecture, multiple databases, event streaming, and caching to serve 10k patients and 75k requests per minute.

Led a team of backend and web developers to build features for the Biofourmis Care product and enhanced processes to boost developer productivity, accountability, and timely delivery.

Developed core modules like Auth service with SSO, WebSocket service, Cron service, Task management, Data analytics pipelines, Configuration service, platform setup in AWS EKS with Docker and Kubernetes and also managed VPN setups and SSO integrations with customer systems as an individual contributor.

Tech stack - NodeJs, Golang, MongoDB, MySQL, Redis, Kafka, AWS, Kubernetes, Docker, Python, DynamoDB, TimescaleDB, Prometheus, Grafana.

Quantiphi, Mumbai | *Senior Software Engineer*
Jun 2018 - Oct 2020

Dialogflow review engine - Developed a static analysis tool for Google Dialogflow bots to identify and report issues using Node.js, Firestore, Cloud Functions, Pub/Sub, Docker, GCP, and Angular.

Dialogflow Fulfillment Builder (Open Source) - Developed a library to build fulfillment responses for Dialogflow bots, supporting platforms like text, Google Assistant, telephony, and Facebook Messenger.

Topic Modelling and Intent Identification Pipeline - Developed a pipeline for running multiple ML models on large datasets, managing operations via a UI using Node.js, Angular, Cloud Pub/Sub, Python, Kubernetes, Cloud Functions, and GCS Bucket.

Darwin Labs, Gurgaon | *Software Engineer*
Feb 2017 - Apr 2018

Developed a cryptocurrency payment gateway with Node.js, MongoDB, RabbitMQ, Nginx, and AWS.

Designed and implemented the governance system and consensus mechanism for Karachain (blockchain) at the protocol level using Golang and LevelDB.

Automated processes and performed web scraping using Python.

Education **Surendra Institute of Engineering & Management,** Siliguri | *BTech (Computer Science)*
2013 - 2017
Score - 8.41/ 10 GPA

Army Public School, Bengdubi | *Class XII*
2012 - 2013
Score - 78 %

Air Force School, Bagdogra | *Class X*
2010 - 2011
Score - 9.8 / 10 GP