Stan Lee

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Full-Stack Development Experience Summary

Frontend Development:
- Languages & Frameworks: JavaScript, TypeScript, React.js, Next.js
- Libraries & Tools: Apollo GraphQL Client, TanStack, TypeGraphQL, Redux, Axios
- Responsibilities:
  - Developed and maintained responsive user interfaces.
  - Integrated frontend components with backend services using RESTful APIs and GraphQL.
  - Implemented state management and handled client-side routing.
  - Optimized performance and ensured cross-browser compatibility.

Backend Development:
- Languages & Frameworks: JavaScript, TypeScript, Go (Golang), Python, Rust, Java, C/C++
- Libraries & Tools: Node.js, Express.js, Apollo GraphQL Server, Mongoose, Sequelize, Protocol Buffers (protobuf)
- APIs: REST, GraphQL, gRPC
- Databases: PostgreSQL, MongoDB, DynamoDB
- Responsibilities:
  - Designed and built RESTful APIs and GraphQL APIs.
  - Implemented server-side logic and data processing.
  - Managed database schemas and optimized queries for performance.
  - Deployed and maintained applications using Docker and Kubernetes.
  - Utilized AWS cloud infrastructure for scalable and reliable deployments.

Professional Experience

Staff Software Engineer

01/2025-Present   *BILL*   San Jose, CA

▶ Authentication and Authorization Solutions: Designing and implementing secure login, authentication, and authorization features using in-house and third-party solutions to connect users to the BILL platform.
▶ Service Integration: Utilizing Elixir and service communication technologies to integrate and manage interactions between various systems across BILL's Spend and Expense, AP, and AR products.
▶ Cross-Functional Collaboration: Working closely with engineering teams, product managers, and designers to deliver scalable, efficient, and user-friendly authentication experiences.

Member of Technical Staff

03/2023-01/2025   *Infinitus Systems, Inc*   San Francisco, CA

▶ Developing and maintaining a customer portal and FastTrack product using React.js in the frontend and Go in the backend, improving user experience and increasing efficiency.
▶ Developed core UIs for the FastTrack product, including a softphone call window, active call page, call history page, user greeting record setting, and user settings page, enhancing usability and functionality.
▶ Working on the investigation and implementation of conversational AI technology, exploring its potential for enhancing customer engagement and support.

Staff Software Engineer, Full Stack

08/2020-10/2022   *Rivian*   Palo Alto, CA

▶ Involved in all phases of agile including the requirements analysis, architecture design, development, testing, deployment, and ongoing support for GraphQL-based applications and services
▶ Interacted across all backend microservice owners and relevant application holders to understand the requirements of relevant GraphQL APIs and initial resolver implementation
▶ Refactored and re-designed Node.js-based GraphQL server that coordinates the customer requests to buy electric vehicles from web/mobile apps

▸ Successfully set up CI/CD pipelines that automated build, delivery and release of packages into Dev, QA, Stage, and Production environments using Kubernetes and GitLab yaml setup files
▸ Provided leadership as a subject matter expert on all GraphQL issues, CI/CD pipelines, and general upgrades/maintenance of servers
▸ Coordinated the discussion and architecture meetings for GraphQL Federation, and implemented the first GraphQL-federated subgraphs within the team
▸ Educated new hires on GraphQL subjects and provided detailed documentation on server setup, development issues, troubleshoot guides, and etc.
▸ Provided mentorship to three junior engineers for the upcoming projects

Backend Developer

03/2019-08/2020   *Kind Health Insurance Services, LLC*   Austin, TX
▸ Designed, developed, and tested backend-level systems to ensure the uninterrupted flow of business-critical operations
▸ Contributed to the development and continuous enhancement of HeyKind backend server using Node.js + Express + MongoDB(Mongoose) + Postgres SQL(Sequelize)
▸ Designed and implemented AWS Cognito comprising 8 lambda functions for customized authentication system (user backup & restore, user migration, login with email passcode)
▸ Successfully performed authentication system migration from Google Firebase to AWS Cognito by supporting backend DB handling and infrastructure build-up
▸ Successfully migrated backend system database from MongoDB to PostgreSQL
▸ Deployed AWS resources (Cognito, lambda functions) using CDK and serverless

Senior Software Engineer

09/2017-10/2018   *EXTEN Technologies, Inc.*   Austin, TX
▸ Implemented DMTF Redfish-compatible middleware that provides REST API to access and manage data centers and storage devices
▸ Refactored the previous monolithic back-end middleware to implement a microservice-based architecture to maximize deployment velocity and application reliability
▸ Back-end JavaScript development using Node.js + Express + MongoDB

Sr. Systems Development Engineer (Software Senior Engineer)

08/2011-09/2017   *Dell Inc.*   Austin/Round Rock, TX
▸ Designed and developed front-end UI web applications for Dell Storage Management web application using JavaScript, Typescript, Angular JS, JQuery with Java backend.
▸ Developed Dell's PCIe SSD storage device by debugging engineering issues and performing numerous tests from HW layer all the way to application layer.
▸ Developed BIOS and UEFI firmware on various Dell platform features (server, storage, switch etc.) in conjunction with team members, vendors, and strategic partners to provide OEM vendors expected customizations.
▸ Interface with OEM customers to provide deep technical information required to help their solutions and port their applications to Dell products.

Education

Yale University   New Haven, CT
Master of Science in Computer Sciences, May 2011

Seoul National University   Seoul, South Korea
Bachelor of Business Administration, August 2008

Korea Advanced Institute of Science and Technology (KAIST)   Daejeon, South Korea
Bachelor of Science in Electrical Engineering & Computer Science, February 2003