MOHAMAD ASHISH

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SUMMARY STATEMENT

Senior Full Stack Engineer with 7 years of experience building scalable SaaS, fintech, and insurance-enterprise applications using Node.js, Vue.js, React, and AWS. Proven track record delivering insurance platform integrations with global providers including AIA, AIG, Zurich, and Allianz, alongside AI-powered workflows and cloud-native architecture for remote, cross-functional teams.

WORK EXPERIENCE

1) Senior Full Stack Engineer — **Ovation Up, (Utah, USA / Remote)** — **June 2024 - Present**

- Architected scalable micro-frontend and serverless applications using **Next** and **React**, **Vue.js** (2 & 3 Composition API), **Node.js, Express.js, Nest.js and Nx monorepo architecture** to support rapid feature delivery and long-term maintainability.
- Built and shipped a customer-facing **AI chatbot** using **LangGraph**, **LlamaIndex**, and **Qdrant**, enabling businesses to query and explore their reviews and feedback analytics through natural language, replacing **manual report digging** with conversational, real-time insights.
- Optimized transactional and analytical database performance across **MongoDB**, **PostgreSQL**, **Mongoose**, and **ClickHouse** for scalable, high-volume applications
- Led **cloud infrastructure** initiatives across **AWS Lambda, API Gateway, Cognito, SQS, SNS, CloudFormation, Amplify, and CloudWatch** to improve scalability, security, and operational reliability.
- Designed and managed Infrastructure as Code (IaC) solutions using AWS CDK and Terraform, enabling automated environment provisioning, consistent infrastructure deployments, and improved governance across multi-environment cloud platforms.
- Designed and implemented **event-driven serverless** architectures using **AWS Lambda**, **SQS**, **SNS**, and **EventBridge** to enable scalable asynchronous workflows, system integrations
- Drove **CI/CD modernization** through **trunk-based development** and **GitHub Actions automation**, improving deployment consistency and engineering productivity.
- Established AI-assisted engineering workflows using **Claude Code agents**, **Cursor AI,** and **CodeRabbit automated PR reviews** to accelerate development velocity and enforce code quality standards.
- Built centralized observability and alerting pipelines using **CloudWatch**, **New Relic, Sentry, Slack, and email integrations** to enhance production monitoring and incident response.
- Strengthened platform security by implementing **CSP** policies, secure authentication flows, and browser security best practices to mitigate client-side vulnerabilities and **XSS** risks.
- Engineered **Kafka-based MongoDB-to-ClickHouse synchronization pipelines** for near real-time **OLAP analytics**, **reporting**, and large-scale data processing workloads.
- Improved engineering reliability by expanding automated testing coverage with **Jest**, **Cypress E2E**, and integration testing pipelines for mission-critical financial features.
- **Reference**: **PATRIK DREAN (VP Engineering)**
  (https://www.linkedin.com/in/patrik-drean, **EMAIL**: patrikdrean@gmail.com)

2) Senior Full Stack Engineer **SoftwareQ Sdn Bhd, (Malaysia / Remote)** **July 2023 - June 2024**

- **Architect** and implement a **microservice** utilizing **RabbitMQ message queue** service, enabling efficient communication and scalability within **distributed systems**.
- Built enterprise-grade insurance platforms using **Node**, **Express**, **TypeScript** (strict mode) and **OOP design** principles.
- Translate **Figma designs** into a **single-page application (SPA)** using **React and Next**, ensuring a seamless transition from design to implementation.
- **Led** enterprise-grade insurance integrations with global providers (**AIA, AIG, Zurich, Allianz, Takaful Malaysia**) via REST and SOAP services, architecting automated policy, quotation, and claims workflows across a scalable insurance enterprise platform.
- **Design**, **optimization**, and management of **SQL databases**, writing complex queries, and leveraging **Sequelize ORM** for efficient and scalable data modeling and migrations.
- Develop **migration querie**s for **SQL** as necessary to align the live database with upcoming deployment changes, ensuring data consistency and integrity during updates.
- Collaborate closely with **stakeholders** to understand requirements and provide technical expertise in developing web applications on the Duda platform, including custom widgets and sections, to meet client needs effectively.
- Collaborate with teams to break down product **capabilities** into **epics**, **user stories**, and **tasks**, ensuring alignment with project goals and user needs, and assign **story points** using **planning poker**.
- Practice regular **refinement** sessions to prioritize and iterate on these elements, utilizing **agile methodologies** to track progress and drive timely feature delivery.

3) Senior Full Stack Engineer **EB Pearls Pvt. Ltd** **May 2021 - June 2023**

- Collaborate with cross-functional and globally distributed teams to design, develop, and deploy scalable and maintainable web applications using **ReactJS, NextJS, VueJS, NestJS, NodeJS, ExpressJS, and GraphQL**.
- Gained extensive exposure to **fintech systems** and developed a deep understanding of the payments ecosystem, including **payment gateways**, **payment processors**, and **fraud prevention mechanisms**.
- Worked with the development of a **Buy Now Pay Later (BNPL) solution**, working closely with product managers and UX/UI designers to create a seamless user experience and integrate with payment providers and third-party systems.
- **Conducted code reviews, provided technical guidance, and mentored junior developers** to ensure the delivery of high-quality code and increase code confidence.
- Implement **CI/CD processes** using **GitLab,** and **AWS CodePipeline** to streamline the deployment of web applications with AWS Paramstore and implement it into an EC2 server.
- Improve the **performance** and **scalability** of web applications by **optimizing code**, implementing **caching mechanisms**, and using **load-balancing techniques**.
- Work closely with clients to gather requirements, provide technical solutions, and deliver web applications that meet their needs.
- Maintain the feasibility of deadlines and sprint end with the **story-points estimations** of the tasks involved, **cherry-picking priorities**, and adding or removing tasks from the sprint in reference to the outcomes of the story-points estimation.
- Create **API documentation** using **Swagger** and **Postman** for other systems to integrate with our system.
- Establishing a well-secured **token-based API** *system* with roles and access control is involved which helps other businesses establish a secure connection to our system via our APIs and **webhooks**.
- Write **migrating scripts** where necessary for the live database to be aligned with the coming deployment.

4) Full Stack Engineer **Green Computing Nepal Pvt. Ltd** **Jan 2020 – May 2021**

- Design and architecture of **single-page applications** utilizing **JavaScript**, **TypeScript**, **Angular**, **RxJS**, **SASS**, **Bootstrap**, **Git**, **HTML5**, & **CSS**.
- Creation of **RESTful** endpoints utilizing **Express**, **TypeScript**, **MongoDB**, and **Mongoose**.
- Integration of **TypeScript**, applying **Object-Oriented design principles**, & utilizing **SOLID principles**.
- Connecting to **asynchronous RESTful** services utilizing **Promises** & **Observables**
- Automate **Facebook Messenger bots,** integrating with **Facebook developer APIs** and webhooks.
- Communicate with multiple APIs with secure handshaking authorizations, implementing SSH key pairs.
- Refactoring of applications to increase **page-speed optimization**, **lower asynchronous requests**, & **reduce memory use**.

5) Web Developer Intern **Green Computing Nepal Pvt. Ltd** **Jun 2019 – Aug 2019**

- Developed a manpower management system using **Angular**, **Bootstrap**, and **TypeScript**.
- Implemented a template called **Apex admin** to create an admin panel that had several forms.
- Used reactive Angular forms to create dynamic array-based forms.
- Integrated the Angular apps with Laravel-built APIs using Angular-HTTP-Requests.
- Deployed it to a local server for local integration and a remote server for remote testing purposes by **SSH-ing** into the servers using **WinSCP**

6) Trainer and Consultant **Einstein Educational Centre Pvt. Ltd** **Mar 2015 – May 2016**

- Teach **HTML**, **CSS**, **Microsoft Office**, and computer basics to batches of students.
- Counsel and consult students about the brief importance of computer and **programming knowledge** and education.

EDUCATION

- **2016 – 2020**
  MAJOR: Computer Science and Engineering | CGPA: **8.40** | (Major/Finals) SGPA: **9.42**
  BACHELOR OF TECHNOLOGY, **Dr. A.P.J. Abdul Kalam Technical University**, India

SUMMARY OF TECHNICAL AND PROFESSIONAL SKILLS

- **Frontend:** Vue.js, React.js, Next.js, TypeScript, JavaScript, Tailwind CSS, Vuetify, Material UI, Chakra UI
- **Backend & APIs:** Node.js, Express.js, NestJS, GraphQL, REST APIs, Serverless Architecture
- **Cloud & DevOps:** AWS Lambda, API Gateway, CloudFormation, Cognito, SQS, EC2, S3, CloudWatch, Amplify, GitHub Actions, Docker, CI/CD, Trunk-Based Development
- **Databases & Messaging:** MongoDB, PostgreSQL, Prisma, Mongoose, ClickHouse, Redis, Kafka, RabbitMQ
- **AI & Data Systems:** LangGraph, LlamaIndex, Qdrant, OpenAI APIs, RAG Pipelines, Semantic Search, AI Agent Workflows
- **Testing & Observability:** Jest, Cypress E2E, Integration Testing, New Relic, Sentry, Datadog
- **Security & Architecture:** CSP, Authentication & Authorization, Microservices, Micro-Frontend Architecture, Nx Monorepo, Scalable Distributed Systems
- **Tools & Collaboration:** Jira, Confluence, Clickup, Postman, Figma, Azure DevOps, Claude Code, Cursor AI, CodeRabbit