ABHI PATEL

SR. FULL STACK DEVELOPER

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SUMMARY

Results-driven Full Stack Developer with 4+ years of experience designing and delivering scalable, cloud-native applications. Proficient in React.js, TypeScript, Node.js, and AWS services (Lambda, ECS, DynamoDB), with expertise in microservices, CI/CD pipelines, and real-time systems. Proven ability to optimize performance, cut cloud costs, and accelerate release cycles while collaborating across cross-functional teams. Seeking to leverage technical and leadership skills to contribute to innovative product development in a fast-paced environment.

ADDITIONAL INFORMATION

- **Frontend Technologies:** React.js, Next.js, TypeScript, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap.
- **Backend:** Node.js, Express.js, REST APIs, GraphQL, Microservices Architecture, Serverless Applications.
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, ECS, RDS, DynamoDB), Docker, Kubernetes, Terraform, CI/CD (Jenkins, GitHub Actions).
- **Databases:** MongoDB, PostgreSQL, MySQL, Redis.
- **Languages:** JavaScript (ES6+), Python, Java, C#.
- **Testing:** Jest, Mocha, Cypress, Postman, Unit & Integration Testing.
- **Other Skills:** System Design, Event-Driven Architecture, API Design, Agile/Scrum, Cross-functional Collaboration.

PROFESSIONAL EXPERIENCE

Senior Full-Stack Developer | Fiserv, NY   **Jul 2024 - Present**

- Engineered and maintained React + TypeScript applications for 50,000+ users, improving page load times by 30% and enhancing UI responsiveness.
- Designed and deployed Node.js microservices on AWS Lambda & ECS, cutting downtime by 40% and improving scalability.
- Led the migration of legacy monolithic systems into microservices architecture, reducing cloud infrastructure costs by 25%.
- Built and optimized CI/CD pipelines (Jenkins, GitHub Actions), accelerating release cycles from bi-weekly to multiple deployments per week.
- Integrated AWS services (S3, RDS, DynamoDB, CloudFront) to support high-availability, fault-tolerant applications.
- Implemented real-time features (WebSockets, event-driven systems), enabling seamless live updates and notifications.
- Automated infrastructure provisioning using Terraform & Docker, streamlining environment setup and reducing manual errors.
- Collaborated with cross-functional teams (design, QA, DevOps) to deliver products on time, achieving 95% sprint completion rate.
- Enhanced test automation with Jest/Mocha, achieving 80%+ unit test coverage and reducing production bugs by 20%.
- Mentored a team of 5 developers, introducing best practices in TypeScript, code reviews, and Agile delivery.

Full-Stack Developer | Wealthsimple   **Nov 2021 - Jun 2024**

- Developed and maintained RESTful APIs in Node.js, integrated with PostgreSQL & MongoDB, supporting 20k+ daily active users.
- Built reusable React components with Redux, reducing front-end code duplication by 35%.
- Improved application performance by cutting front-end load time by 2.5 seconds through optimization techniques.
- Collaborated with DevOps to migrate workloads to AWS EC2 and RDS, achieving 99.9% uptime SLA.
- Introduced automated test suites using Jest & Mocha, raising test coverage by 35%.
- Partnered with product managers and designers to deliver features under Agile sprints, ensuring consistent on-time releases.
- Implemented role-based access control (RBAC) and authentication flows, improving system security and compliance.

PROJECTS

Cloud-Based Microservices Deployment with Kubernetes

- Designed and deployed a scalable microservices architecture with Kubernetes and Docker, ensuring high availability and fault tolerance.
- Automated deployments with CI/CD pipelines (Google Cloud Build, Jenkins, GitHub Actions), reducing release time by 70%.
- Optimized traffic handling using Horizontal Pod Autoscaler (HPA) and Ingress, cutting latency by 25%.
- **Tech Stack:** Kubernetes, Docker, AWS (ECS, Lambda, DynamoDB), Terraform, CI/CD (Jenkins, GitHub Actions, Cloud Build), React.js, Node.js

E-Commerce Platform (React + Node.js + AWS)

- Built a high-performance e-commerce platform supporting 10k+ concurrent users with AWS serverless architecture (Lambda, DynamoDB, CloudFront).
- Developed secure authentication, payment integration, and caching strategies, boosting transaction speed by 40%.
- Implemented monitoring and alerting with AWS CloudWatch, ensuring 99.95% uptime SLA.
- **Tech Stack**: React.js, TypeScript, Node.js, Express.js, AWS (Lambda, DynamoDB, CloudFront, S3), REST APIs, MongoDB

EMPATH-R: Emotionally Adaptive Mental Health Companion

- Developed a socially aware AI-powered chatbot for elderly mental health support using OpenAI GPT-3.5 and multimodal emotion detection (text + facial).
- Implemented real-time adaptive responses, ethical filters, and risk detection (suicide/self-harm terms).
- **Tech Stack:** Python, OpenAI GPT-3.5 API, Flask, React.js, Docker, Redis, JWT, OAuth 2.0

Google Play Store Ratings Analysis

- Conducted exploratory data analysis (EDA) on large-scale Google Play Store data to identify trends, correlations, and anomalies in app ratings.
- Built interactive dashboards in Tableau and Looker, tracking KPIs such as daily active users and churn rate.
- Applied trend forecasting and anomaly detection to deliver actionable insights for app optimization.
- **Tech Stack**: Python (Pandas, Matplotlib, Seaborn), Tableau, Looker, SQL

EDUCATION

Rutgers University, New Brunswick, USA
Master of Science in Computer Science

Laurentian University, Canada
Bachelor's Exchange Program in Computer Science

Sarvajanik College of Engineering & Technology, Surat , Gujarat
Bachelor of Engineering in Computer Engineering CPI