Hassam Siddiqui

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Professional Statement

Senior Software Engineer with **7 years** of experience delivering scalable, high-performance web and mobile solutions. Expert in **React, React Native, Node.js**, and **AWS**. Comfortable with **Python** for scripting and backend APIs. Proven track record of automating workflows, leading cross-functional teams, and building cloud-native systems using **Docker**, **Pulumi**, **Serverless Framework**, and other CI/CD pipelines. Passionate about leveraging AI tools to eliminate redundancies and drive developer efficiency.

Work Experience & Key Achievements

Tech Lead – ProductBox | January 2021 – Present

- Provisioned a **Python** backend (FastAPI) to interface a LLM model (Mistral Vicuna) for a fence detection system, enabling real-time results for verification and comparison with 70% accuracy..
- Boosted order volume by 10% by architecting and launching a card-ordering platform with **Next.js**, Node.js, and Stripe.
- Increased hospital resource utilization by 35% by engineering a real-time nurse allocation system used by 15 hospitals.
- Improved caregiver efficiency using real time data using **redis** and **web socket** by 30% by leading development of an AI-powered elderly care platform with real-time monitoring.
- Led 20-member team across web, mobile, and cloud projects, resolving bottlenecks and automating 5+ dev tasks using **AI tools**.
- **Containerized** applications to improve coordination, streamline peer programming, and increase productivity across engineering teams.
- Delivered scalable hospital and survey platforms used by 15+ hospitals and 10,000+ users.
- Optimized cloud infrastructure and uptime using AWS services, **Elastic Load Balancer, CloudFront**, and **Pulumi**.

Full Stack Web/Mobile Engineer – ProductBox | May 2019 – June 2021

- Cut manual workload by 50% by automating order tracking, payments, and notifications.
- Reduced deployment time by 80% by automating CI/CD with GitHub and GitLab pipelines.
- Built scalable infrastructure using React, React-Native, Node.js, AWS, Nginx, and Docker.
- Reduced deployment errors by 40% through GitHub Actions automation.

Mobile Developer – SubHealth | November 2019 – April 2020

- Developed a secure telemedicine app using React Native and MERN stack.
- Integrated WebSockets for real-time features and improved scheduling by 30%.
- Automated CI/CD pipelines with GitLab, reducing delivery cycles by 80%.

Skills

Frontend: React, Next.js, React Native, Tailwind, Zustand, Redux, Web Components, Framer Motion
Backend: Python (FastAPI), Node.js, Express.js, PostgreSQL, MongoDB, GraphQL, WebSockets, WebRTC
Cloud & DevOps: AWS (Lambda, S3, CloudFront), Pulumi, Serverless Framework, Docker, GitHub Actions, GitLab CI/CD, Nginx, Jenkins
AI & Automation: Leveraging AI tools to automate tasks and streamline workflows
Other Tools: Firebase, Twilio, Prometheus, Elasticsearch, Redis, D3.js, Typesense, Kubernetes, Hugging Face

Education

Bachelor of Science in Computer Science (**Abasyn University, Peshawar** | *2014 – 2018*)