Sharif Hossain

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PROFILE

Dedicated and results-driven Cloud and DevSecOps Engineer with over 8+ years of extensive experience in designing, implementing, and optimizing scalable, secure, and efficient cloud-based solutions. Proficient in leveraging diverse cloud platforms and cutting-edge technologies to enhance operational efficiency and drive business growth. Certified Professional Scrum Master I (PSM I) with a strong foundation in Agile methodologies and hands-on experience in Scrum practices, team facilitation, and continuous improvement.

SKILLS

- **Project & Team Leadership** – Agile/Scrum, project management, cross-functional team leadership
- **Cloud & Infrastructure** – AWS, Google Cloud, Docker, Kubernetes, Ansible, Jenkins
- **Big Data & Analytics** – Elasticsearch, Apache Spark, Google BigQuery, Hadoop
- **Networking & VoIP** – Asterisk, FreeSWITCH, enterprise networking solutions
- **Database Management** – PostgreSQL, MySQL, SQLite (design, optimization, replication)
- **Operating Systems** – Linux/Unix administration, shell scripting, server hardening
- **Programming & Development** – PHP, Python, JavaScript,TypeScript, C/C++, Perl, Shell
- **Frameworks** – Laravel, Django, React.js, Next.js, Angular, Node.js (with prior experience in CodeIgniter & CakePHP)

EMPLOYMENT HISTORY

Assistant Principal Software Engineer I
Stitel Networks, LLC
June 2017-Current
Phoenix, United States

- Provide technical leadership and mentorship to junior and mid-level engineers, ensuring the team's technical growth and alignment with industry best practices
- Collaborated with product managers, UX designers, and quality control professionals to build best products
- Design, implement, and maintain CI/CD pipelines to streamline software deployment, ensuring frequent, reliable, and high-quality releases
- Supervise and oversee the technical aspects of multiple projects, ensuring architecture and design decisions align with business requirements
- Lead discussions on feature requirements, algorithmic analysis, and system design, providing clear technical documentation and implementation plans

- Manage the entire life cycle of multiple related complex modules and systems, including feature discussion, algorithmic analysis, documentation, design, coding, testing, maintenance, and result tracking
- Stay updated with emerging technologies and methodologies, advocating for their integration into projects where applicable to maintain a competitive edge

PROJECT HIGHLIGHTS

Smart Cabin Router
- Led the development and successful launch of a cutting-edge smart router for in-flight connectivity.
- Designed a real-time communication protocol for seamless aircraft-to-ground communication.
- Customized Linux OS modules to optimize router performance.
- Utilized Elasticsearch for big data analysis to monitor aircraft data.
- Delivered a robust internet connectivity network setting a new standard in in-flight communication.

Advancements in VoIP Technologies
- Contributed to core development of Asterisk and Freeswitch.
- Collaborated with platforms like DIDWW and DIDX to address diverse telecommunication needs.
- Designed and developed a comprehensive VoIP billing system to streamline operations and enhance user experience.

Development of Virtual Phone Service
- Created a virtual phone service application that provides worldwide phone numbers.
- Designed the server-side architecture for this product and successfully led it to launch, delivering a reliable and innovative communication solution.

Licensing Module Development
- Developed a robust licensing module to manage and secure application access and usage.
- Implemented secure payment integrations to support various billing and subscription models.
- Ensured smooth and reliable transaction processing for users.

SaaS Application Development for RMM Software
- Implemented SaaS applications tailored for Remote Monitoring and Management (RMM) software.
- Designed and developed solutions that optimize IT management and monitoring.
- Oversaw both development and operational aspects, ensuring seamless deployment and ongoing support.

Embedded Systems Development
- Worked on embedded projects to facilitate data transfer between systems.
- Designed and developed efficient protocols for secure and reliable data communication.

EDUCATION

Bachelor of Science
Computer Science and Engineering
American International University-Bangladesh, Dhaka
December 2017

CERTIFICATIONS

Professional Scrum Master™ I (PSM I) – Scrum.org
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