

# SURYA MERIN PHILIP

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## SUMMARY

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Experienced **Software Engineer** with 3+ years in building scalable web applications using Java and Spring Boot, with strong expertise in cloud platforms like GCP and AWS. Proven ability to design and implement secure, high-performance backend systems. Authorized to work in the U.S. for any employer and no sponsorship required (**Green Card holder**).

## PROFESSIONAL EXPERIENCE

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### Software Engineer, TCS

Jul '21 - Aug '24

#### Client : Multi Commodity Exchange, Central Bank of Kuwait

- Enhanced core financial modules in the MCX Bancs system to meet dynamic business needs, resulting in a **25%** improvement in transaction processing speed.
- Designed and implemented REST APIs for seamless integration with external systems, reducing data synchronization time by **40%**.
- Developed robust account management functions with full **CRUD** capabilities, reducing data retrieval and update times by **20%**.
- Collaborated with **back-end developers, designers, and product owners** to constantly improve the customer experience within our app.
- Excellent **communication and interpersonal skills** demonstrated through exposure in working with Technical, Quality Assurance and Business Analysis groups.
- Led data migration strategies to ensure smooth transitions and maintain data integrity during migration from legacy systems, completing the process with **99.9% data accuracy**.
- Automated build, deployment, and release processes using Python and Shell scripts, reducing manual deployment errors by **95%** and accelerating deployment cycles by **60%**.
- Monitored and validated testing phases, ensuring system functionality and **100% compliance** with business and regulatory requirements, while reducing post-production defects by **15%**.
- Developed **complex business logic** for regulatory compliance and financial calculations, ensuring adherence to capital market norms and standards.
- Automated manual processes and reduced data entry errors by implementing **validation rules and error handling mechanisms**, decreasing data errors by **35%** and improving overall process efficiency.
- **Deployed and managed** containerized applications on **GKE**, leveraging auto-scaling and rolling updates to ensure zero-downtime deployments and high availability in a production-grade environment.
- Reduced deployment time by **70%** by automating CI/CD pipelines and improving rollback efficiency, which **eliminated manual deployments** and ensured consistency across all environments.
- Identified and resolved critical stability issues through **Grafana and Prometheus** maintaining crash-free uptime above 99.5% consistently, peaking at **99.83%**.
- Proficient in writing **SQL queries** and working with Relational and NoSQL databases .
- Established comprehensive testing protocols with **80%** code coverage using JUnit and Espresso, significantly improving app reliability.

## TECHNICAL SKILLS

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**Langauages/Framework/Tools:** Java, Spring Boot, Python , Git, Jenkins, JIRA, Postman, Grafana, Prometheus

**Cloud Technologies:** Google Cloud Platform (GCP), Amazon Web Services (AWS)

**Database:** MySQL, Oracle PL/SQL, MongoDB

**Development Practices:** Full-stack development, CI/CD, Automation, SDLC, SOLID, and Code Reviews

## CERTIFICATIONS

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Google Certified Associate Cloud Engineer

## EDUCATION

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Bachelors in Computer Science and Engineering - College of Engineering, Changanuur | 8.51/10

Aug '17 - Jul '21