

ABHISHEK PRATAP SINGH

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SKILLS

- **Technical Skills:** Java, Python, C, AWS, Docker, Kubernetes, Shell/Bash, Batch, Unix/Linux (Ubuntu), Windows, Multithreading.
- **Tools:** Git, Jira, GDB.
- **Frameworks:** Spring, Spring Boot.
- **Methodology:** MonoLithic Architecture, Microservices, Agile methodologies.
- **Technical Concepts:** Data Structure & Algorithms (DSA), Object Oriented Programming (OOPS), Rest API, Low Level Design(LLD), High Level Design(HLD).
- **Databases:** PL/SQL, Oracle 9i, Postgresql.

EDUCATION

- **Dr. APJ Abdul Kalam Technical University** (July 2015 - Aug 2019)
B. Tech in Computer Science and Engineering (93%ile in a university comprising of 400,000+ students)
 - *Digital Logic Design (Top 1%ile of the class).*
 - *Computer-Based Numerical and Statistical Techniques (Top 5%ile of the class).*
- **ST. FRANCIS INTER COLLEGE** (Apr 2013 - Jun 2014)
 - *Completed Intermediate in Science Stream.*

PROFESSIONAL EXPERIENCE

Senior Software Engineer, Accolite Digital (Oct 2023 – Present)

Product Description: *Kiwiplan provides a comprehensive, integrated suite of powerful products to meet the specific order management and manufacturing requirements of today's **corrugated, folding carton, plastics, and packaging manufacturers.***

- Successfully implemented Fosber Protocol strategies, resulting in a **15% improvement in sheetboard reliability** and a **3% reduction in associated downtime.**
- Achieved a **5% reduction in system downtime** through the successful execution of the full database restoration process for Xngen, showcasing a commitment to maintaining operational continuity.

Software Engineer, XORIENT SOLUTIONS PVT. LTD. (Mar 2022 – Oct 2023)

Product Description: *Automated Monitoring and Control(AMC) provides a central point of control for production applications, their processes, and their machines. It enables service providers to view: **Network assurance, NOC operations, Triage, SLA management.***

- **Designed and Implemented 5+ APIs** to adjust the inflation of telecom price plans for various customer segments, increasing production **team efficiency by 30%.**
- **Collaborated with DBA** to design an efficient database schema, reducing query response times by 40% and ensuring data integrity.
- Enhanced the job logger, leading to a 25% reduction in troubleshooting time and a 20% increase in identifying performance bottlenecks.
- **Efficiently replaced WebFocus with open-source Python**, achieving a cost reduction of 40% and a 30% improvement in report generation speed through our in-house converter solution written with a Lex/Yacc parser.
- **Won 2nd place** in Xorient's' Innovation Competition Weinovation.

Software Developer, Amdocs Development Center India LLP (May 2021 – Nov 2021)

Product Description: *Ensemble is Amdocs' platform that provides one of the leading customer care, billing and order management solutions for convergent telecom operations. It supports the full-range of **fixed-line and mobile services.***

- **Implemented** a data layer buffer overflow fix by increasing the buffer size by **1%, resulting in a 10% increase** in buffer usage.
- **Designed and effectively executed** process layers, data layers, and GDD for multiple enhancements, resulting in a significant performance boost of approximately **30%, enhanced scalability by 25%, and improved reliability with a 20% reduction** in system downtime.

Software Engineer, Cavisson Systems Inc.

(Mar 2019 – May 2021)

Product Description: *NetHavoc* can change performance engineering and qualitative delivery on a massive scale. Deal with uncertainty before they cause obstacles in real-time. NetHavoc breaks the application infrastructure on purpose to create **Chaos** in a controlled environment.

- **Independently** Conceptualized, Developed, and Deployed a **NetHavoc** Product from **Scratch to Deployment**.
- Utilized **C, Shell Script, Batch Script** to build Backend and make sure that all tests coverage is more than 85% using **Ant Framework** Integrated and leveraged **Git** for version control.
- Pioneered **10+ enhancements** to the product, resulting in enhanced performance, increased user-friendliness, and heightened security.
- Conducted comprehensive testing for **NetHavoc**, achieving a **98% coverage** and reducing **critical bugs by 20%**.
- Managed **2 Junior-Level Team Members**

INTERNSHIPS

Trainee, National Informatics Centre, Govt. Of India

(June 2018 – July 2018)

- Oversaw the creation of an Online Cafeteria Management System, increasing meal orders by 50% via the Android app.
- Collaborated seamlessly in cross-functional teams, leading to a 20% improvement in project efficiency and a 15% reduction in project timelines, resulting in successful project outcomes.
- Designed and integrated databases, streamlining data access by 30%, and executed user authentication, reducing login times by 25%.

CERTIFICATES

- **Semi-finalist** in **TechGig Code Gladiators 2021**, a competitive programming event organized by **Cognizant**.
- Achieved the **second position** at the **District Level** of the **International Mathematics Olympiad**.