# Dhirendra Pratap Singh

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## SKILLS

#### **PRIVATE CLOUD**

With 32+ Services and Adv. Tooling Docker • Nginx • CI/CD

## LANGUAGES

Over 5000: lines

Java • Python • TypeScript

JavaScript • C • C++ • HTML • CSS

#### **FRAMEWORKS**

Over 2000: lines

**Apache Kafka •** ReactJS • Spring Boot Shedlock • **NextJS •** Shell Scripting

#### TOOLS/PLATFORMS

GCP • OCI • Microsoft Flow

PostgreSQL • MySQL • Git • Jenkins

## **EDUCATION**

### DR. APJ ABDUL KALAM TECHNI-CAL UNIVERSITY

BTECH IN ELECTRONICS &

COMMUNICATION

Sep 2020 | Lucknow, India Babu Banarsi Das National Institute of Technology & Management CGPA: 8.62 / 10.0

## CENTRAL ACADEMY SCHOOLS

Grad. May 2015 | Lucknow, India

## LINKS

Github:// hanisntsolo LinkedIn:// hanisntsolo YouTube:// tech | info | geek Twitter:// @\_dhirendra Pinterest:// hanisntsolo

## COURSEWORK

#### **GRADUATE**

Cloud Computing
Machine Learning
Open Source Software Engineering
Embedded Systems Design
Object-Oriented Programming
Evolutionary Computation

#### **UNDERGRADUATE**

Operating Systems
Artificial Intelligence + Practicum
Unix Tools and Scripting
Information Retrieval

## **WORK EXPERIENCE**

#### CITI | FULL STACK DEVELOPER (ASSISTANT MANAGER)

July 2022 - Present | Pune, Maharashtra, India

- Contributing to one of the core-streams within **Citi** the **"Citi Commercial Banking [CCB]"** space by ensuring technology solves client problems and makes their experience more conducive.
- Improved API Response and Data Delivery by building Cache-layers utilizing **Hazlecast Caching Clusters** and reducing response time to few milliseconds on top of fail over mechanisms.
- Added Cirbuit-Breaking and Retry Mechanisms using **Resillience4j** to minimise application overloads and boost performance.
- Utilized Event Stream Processing Frameworks like **Apache Kafka** in extended capacity, syncing data across different backend systems.
- Used Distributed Scheduled Locking Frameworks like **ShedLock**, to capture distributed scheduled-computing events at scale.
- Spearheaded integration efforts in Trade Commercial E-loans, driving **digital adoption by customers**, contributing to business growth.
- Migrated classic VMs to cloud infrastructure, reducing up-time costs through automated scaling and load-based billing.
- Developed a **Troubleshooting Automation Tool** from scratch using React, Node, and Java micro-services, streamlining client issue resolution.
- Independently handled end-to-end lifecycle (creation, migration, deployment) of the tool, ensuring seamless implementation using CI/CD tools.
- Registered the tool as an internal product, enabling usage by internal employees and improving internal processes.
- Used **Docusaurus** to document project architecture and process to enhance debugging and self-service experience across teams.
- Leveraged **Copilot/ChatGPT** prompts to drive optimizations in code architectures, with enhanced productivity.

#### **CAPGEMINI** | SENIOR SOFTWARE ENGINEER

Sep 2020 - Jun 2022 | Pune, Maharashtra, India

- Developed a scalable incident processor (800 lines of TACL Tandem Advanced Command Language used in DebitCard/Credit Card Txns) for Discover Financial Services, auto-closing 98% of incidents, cutting dwell time to net zero.
- Full-stack contributions in ReactJS, Spring Boot, and PostgreSQL.

#### **SUVASAA** | REMOTE SOFTWARE ENGINEERING INTERN

May 2020 - Aug 2020 | Atlanta, GA, USA

- Full-stack development of an e-commerce platform using ReactJS and Firebase.
- Integrated online payments via Stripe API and managed segregated customer/admin routes.

## PERSONAL PROJECTS

# PRIVATE CLOUD 32+ SERVICES | FAANG-CRACKER | GITHUB RESUME` PROJECT | CODEFORCES LAMP | AUTO-COMMITTER

## **FUN FACTS**

INTERESTS Entrepreneurship • Investing • Mentoring HOBBIES Lifting • Reading • Cycling • Swimming VOLUNTEER EXPERIENCE Old Age Home • @Astha Foundation WINGMAN (Academic Support Volunteer) • @Make A Difference