

# 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 TECHNICAL 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 Circuit-Breaking and Retry Mechanisms using **Resilience4j** 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 NETWORK** 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