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Top Skills

npm
TypeScript
Vercel

Languages

Hindi (Full Professional)
English (Full Professional)

Certifications

Serverless Knowledge Badge
Assessment

INSPIRE(Certified Trainer)

Cricket Code Champions Hack

Fundamentals of MCP

AI Agents Fundamentals

Publications

Demystifying Git Hooks: A
Comprehensive Guide with Python
Examples for Developers

Harnessing Pandas for Database
Schema Comparison: Beyond Data
Science

Debugging in Python: Why Icecream
Sweetens the Process Over Print
Statements

Mastering Python Logging: The
Ultimate Guide

Building APIs at Warp Speed with
FastAPI and Python

Utkarsh Singh

Software Engineering Manager @ EY | Python | AWS | Docker
Austin, Texas, United States

Summary

Tech Visionary & Innovation Trailblazer

Embark on an extraordinary journey through the ever-evolving realm
of technology with me. Over the last decade, I've honed my craft in
problem-solving and harnessed the boundless power of innovation.
Together, we'll traverse the frontiers of technology, weaving the code
that shapes our future.

Ernst & Young (EY) - Shaping Finance's Tomorrow
As a Software Engineering Manager at EY, I'm on an audacious
mission to redefine the future of finance. I've pioneered resource
training in the Wealth and Asset Management tech sector. I've
spearheaded the creation and delivery of technical training for
over 80 resources, equipping them with expertise in Docker,
Kubernetes, Terraform, and Jenkins. Our mission is to empower the
next generation of tech enthusiasts, arming them with the skills and
knowledge to conquer tomorrow's challenges.

HCL Technologies - Where Code Becomes Magic
My tenure at HCL Technologies was a captivating chapter in my
tech journey. My fervor for code automation ignited a transformation,
dispelling complexities and ushering in efficiency.

Innovations and Data Sorcery
My HCL chapter featured mind-bending data migrations, ensuring
the seamless flow of data 24/7.

Cloud & Innovation Pioneer

At Healthcare Triangle Inc., I was a pioneer, crafting products on AWS platforms, molding the future of the cloud, and breathing life into AI.

Academia & Research - Shaping Minds
My academic journey led me through Visvesvaraya Technological University and The University of Texas at San Antonio. I delved into intriguing research projects, mastering the art of data magic.

Awards & Leadership - Stars of Recognition
Recognition has been a constant companion in my journey, driven by unwavering commitment to excellence.

Open Source & Upskilling
I've ventured into open-source projects, sharing my knowledge and expertise. I've been fervent about upskilling teams, guiding them in adopting cutting-edge technologies.

The Future Awaits - Let's Write the Code of Tomorrow
Join me as we navigate the expansive universe of innovation, sculpting solutions, and exploring boundless possibilities. Every line of code is a stroke on the canvas of our future.

Experience

EY
4 years 4 months

Software Engineering Manager
August 2024 - Present (11 months)
San Antonio, Texas, United States

Senior Technology Consultant
March 2021 - August 2024 (3 years 6 months)
San Antonio, Texas, United States

• Investment Application Development: Directed the creation of various investment applications for retail and institutional clientele at an international financial services company, emphasizing complex logic integration.
• Serverless Architecture & AWS Integration: Executed AWS API Gateway for serverless application development, focusing on scalability and efficiency.

• Container Deployment & Management: Oversaw high-throughput application deployment using EC2 containers, managed via Elastic Kubernetes Service (EKS), ensuring optimal scalability and performance.
• API Development & Deployment: Developed and implemented API endpoints, including Swagger contract creation and updates, for detailed API documentation and client integration.
• Data Management & Complex Logic Implementation: Conducted advanced operations for monitoring request changes, utilizing Python and PostgreSQL.
• Data Analysis & Processing Innovation: Introduced Pandas to enhance data processing and analysis, significantly improving team capabilities.
• Client Collaboration & Agile Leadership: Collaborated with clients to understand their needs, ensuring seamless application integration. Contributed to Agile processes, including story grooming and team management.
• CI/CD Pipeline & Infrastructure Development: Built and maintained CI/CD pipelines using Jenkins and developed infrastructure with Terraform.
• Security Compliance & Risk Management: Integrated code scanning tools to comply with client and EY security standards.
• Testing & Monitoring: Created unit tests for API integrations and employed Splunk and Datadog for effective monitoring.
• Reusable Codebase Contribution: Developed models and Lambda layers, enhancing the firm's codebase for broad application.
• Innovative Solutions: Developed key functionalities for preference updates and a custom tool for JSON string conversion.

Engineering Guild Master
July 2023 - June 2024 (1 year)
San Antonio, Texas, United States

• Developer Upskilling and Training: Led the initiative to enhance the technical skills of EY's developer resources.
• Technical Education and Workshops: Created and delivered technical tutorials and hands-on sessions, with a focus on Docker, Kubernetes, Terraform and Jenkins.

Healthcare Triangle, Inc.
Cloud DevOps Engineer
November 2020 - March 2021 (5 months)
San Antonio, Texas, United States

Healthcare Triangle, Inc.
Information Technology Intern
June 2020 - August 2020 (3 months)

San Antonio, Texas, United States

• My primary duties were working with the team, design, build and operate our products from AWS infrastructure/platform services to backend code to browser and everything between. During this period I earned AWS Cloud Practitioner Certification bestowed by Amazon Inc. He had applied the learning on a Machine Learning and AI project to automate the infrastructure creation on AWS public cloud.

The University of Texas at San Antonio
1 year 5 months

Graduate Teaching Assistant
May 2019 - May 2020 (1 year 1 month)
San Antonio, Texas

• Assisted professors in teaching 2 courses by developing course material.
• Provide guidance to students learning to code for the first time.
• Interacted with students in class, lab to answer their questions.
• Assisted professor for grading assignments and exams.
• Handled up to 9 labs a semester with more than 30 students per class.
• Handled open tutoring sessions during week days and on weekends.

Tutor
January 2019 - May 2019 (5 months)
San Antonio, Texas Area

• Worked at The Writing Center as an English tutor.

HCL Technologies
4 years 6 months

Software Engineer
January 2018 - November 2018 (11 months)
Chennai, Tamil Nadu, India

• Worked as acting team lead on projects related to new internal utilities coming up for USAA (United Services Automobile Association).
• Conducted interviews to hire two people in the team at the Chennai location.
• Worked with and trained resources at Manila, Philippines.
• Worked as a point of contact for offshore projects at Chennai and Manila, for clients at the home
office.

Software Engineer
April 2016 - January 2018 (1 year 10 months)
Guadalajara Area, Mexico

• Worked as acting team lead.
• Conducted interviews and hired local residents to set up and strengthen the team and the company.
• Trained the hired resources and helped set up the team at Guadalajara, Mexico.
• Coordinated multiple projects with clients spanning across multiple technologies: COBOL, PL/I, JCL, Java, Python, Bash and Datastage (creating utilities on the backend for applications to channel member data across USAA as per business needs, worked on special projects to build flags on bank members to help them during the 2017 natural calamities that hit mainland US, etc.).
• Led project to migrate data from IMS database to UDB server. Developed pipelines for member data migration. Built near real time replication (NRT) using NRT jobs that ran 24x7.
• Implemented automation ideas saving $ 35,000 USD per year in man power.
• Worked on critical major incidents and helped in resolving them with record times (lowest pain minutes per team) for a year.

Software Engineer
June 2014 - April 2016 (1 year 11 months)
Chennai, Tamil Nadu, India

• Worked in support and development environment to handle critical issues and started working on the development of pieces of banking software for USAA for customer data handling.

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Education

The University of Texas at San Antonio
Master's degree, Computer Science · (2019 - 2020)

Visvesvaraya Technological University
Bachelor of Engineering (BEng), Computer Science and Engineering · (2009 - 2013)

Vidya Vihar Residential School
Schooling · (2002 - 2009)