

Summit Singh Thakur

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Drexel University

Bachelor of Science in Computer Science

Concentrations: Software Engineering (SE), Artificial Intelligence (AI) & Human-Computer Interaction (HCI)

Philadelphia, PA

Sep 2016 - Jun 2021

SKILLS AND CERTIFICATIONS

Programming: C, C++, Java, Python, PHP, JavaScript, Bash; **Mobile:** Android, iOS, React Native, Firebase

Natural Language Processing: LLM (Large Language Model), GPT-3, LangChain

Frameworks: React, Node.js, Spring Boot, OpenAI API, HuggingFace, Bootstrap, jQuery, PhoneGap, WordPress, Joomla, Drupal

Technologies: SQL, Git, NGINX, Apache, Ant, Maven, Jenkins, Docker, Kubernetes, Helm, Terraform, Shepherd, Wowza, Nimble

Cloud: AWS, Google Cloud, Microsoft Azure, Oracle Cloud Infrastructure (OCI), DigitalOcean, Linode, Scaleway

Tools: Android Studio, PyCharm, IntelliJ, VS Code, Airtable; **Design:** Photoshop, Illustrator, Sketch, Figma, CorelDRAW, Canva

Certifications:

- Kubernetes Administration, The Linux Foundation, Sep 2023
- Introduction to Continuous Integration, Udemy, Oct 2017
- Alexa Student Developer Diploma, Amazon, Aug 2017
- Blockchain Basics, LinkedIn Learning, Oct 2017
- Learning Docker, LinkedIn Learning, Oct 2017

PROFESSIONAL EXPERIENCE

Oracle America, Inc.

Cloud Engineer III

Malvern, PA

Jul 2021 – Present

- Utilized Terraform to template Oracle Cloud Infrastructure (OCI), automating the creation of staging and production environments for different products within Oracle, reducing deployment time by 50% and ensuring consistency
- Developed multiple Terraform modules to manage configurations, applications, services for OCI
- Created and managed Helm Charts and Oracle Kubernetes Engine (OKE) deployments, optimizing configuration processes
- Automated application deployment on OKE cluster using Bash, Python scripts, and YAML templates, reducing manual intervention by 60% and ensuring consistent and error-free deployments
- Built and improved the reliability and performance of applications deployed on OCI (including Oracle Aconex & Primavera)
- Experienced with entire software development life cycle, architecting scalable platforms, object-oriented programming, database design, cloud infrastructure, and agile methodologies

TruckBux, Inc. (The Food Company, Inc.)

Co-Founder, CTO

Philadelphia, PA

Jan 2018 – Jul 2021

- Spearheaded tech strategy for a \$6M-funded food ordering startup, overseeing product development and operations
- Oversaw the strategic management to provide streamlined operations in Philadelphia and Austin for a better company culture
- Managed a team of 12 developers in building three products (User App, Vendor App, Internal Admin Panel) from inception to launch, utilizing Java (Spring), React, React Native, Python, and Bash
- Designed and implemented custom dashboards and SQL queries in Metabase, empowering data-driven decision-making
- Led the Data Science team in developing actionable data analytics for operational optimization
- Integrated delivery services with logistics partners, increasing vendor sales by 120% during COVID-19
- Transitioned product to microservices architecture, improving scalability and CI/CD capabilities
- Implemented AWS Cloud Services, including EC2, IAM, Lambda, S3, RDS, EKS
- Formed and scaled a cross-functional agile tech team from 2 to 12 developers, fostering innovation and collaboration

Oracle America, Inc.

Software Engineer Intern (Backend/DevOps/Cloud)

Conshohocken, PA

Sep 2017 – Mar 2020

- Resolved backend and frontend bugs in Java (Spring framework) and Node.js, ensuring smooth software performance
- Automated CI/CD processes using Jenkins and Docker, reducing deployment time by 40%
- Developed Docker images and scripts for development and testing teams, enhancing development workflows
- Collaborated with senior engineers to implement best practices in software development, contributing to the success of Oracle

AWARDS AND ACTIVITIES

- Judge & Mentor, Major League Hacking, Mar 2024 – Present
- Application Reviewer, STAR Scholars Program, Pennoni Honors College, Drexel University, Jul 2021 – Present
- Computer Science Senior Design Project Competition, Won “Second Place” – Corporate Category, Drexel University, Jun 2021
- Dean's List, Drexel University, Spring 2016, Summer 2018, Spring 2019
- Teaching Assistant (Advanced CS Courses), Drexel University, Apr 2020 - Sep 2020
- “Best Voice User Experience Using Amazon Alexa” Award – Sponsored by AWS, Princeton University Hackathon, Apr 2017
- “Best Use of GIPHY API” Award – Sponsored by GIPHY, University of Pennsylvania Hackathon, Sep 2017
- Membership Committee, Undergraduate Research & Enrichment Programs, Drexel University, Sep 2017 - Dec 2019
- STAR Scholar, Undergraduate Summer Research Program, Pennoni Honors College, Drexel University, Jun 2017 - Aug 2017
- Student-Teacher, STEM DragonsTeach, Drexel University, Apr 2017 - Jun 2017
- Certificate of Merit in Career Management & Professional Development, Drexel University, Mar 2017
- A. J. Drexel Scholarship, Drexel University, Sep 2016