

Vishnu Singh

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Summary

Software Developer with a B-Tech in Computer Science and hands-on experience in software development, AWS solutions, and DevOps practices. Expert in developing and implementing large-scale software in C++, Java, Flutter, and AWS. Successfully led projects enhancing system reliability and operational efficiency, significantly reducing downtime and security incidents. Proficiency in data structures, Android development, and cloud computing.

Skills

Algorithms · Data Structures · Python · Java/Dart · C/C++ · R · Android Studio · Cisco Packet Tracer · Docker/Kubernetes · Flutter · AWS/Azure · HTML/CSS · Angular · PHP · MySQL

Experience

IBM Backend and AI software developer	Pune, IN Aug '22 - Present
<ul style="list-style-type: none">• A technology company specializing in IT.• Designed and developed disaster recovery solutions for critical systems for an edtech client using AWS Elastic, resulting in a 100% reduction in system failures and ensuring data integrity for user records.• Worked on a project with 4 engineers to implement real-time data replication, achieving a data synchronization rate of 35% transactions per second and enhancing overall operational efficiency by 22%.• Collaborated with the client's technical team to analyze organizational dynamics and optimize workflows.• Certified and deployed automated failover protection for user data.• Conducted regular threat assessments and adapted security measures, leading to a significant reduction in security incidents.	

Accenture UK Developer and Technology Internship	London, UK Feb '19 - Jul '22
<ul style="list-style-type: none">• A global strategic services company providing services in digital, cloud, and security.• Finished the Developer and Technology Job Simulation, which facilitated the Software Development Lifecycle.• Implemented research on emerging technologies to cover a technology area known as DevOps.• Delivered guidance and identified syntax and semantic errors present in a Python program and corrected them for proper functionality.• Created a pseudocode algorithm based on theoretical knowledge and translated it into a structured flowchart for detailed format.• Managed end-to-end project life cycles and provided a 10-page paper that elaborated on the synthesis of the waterfall methodology and agile development.	

Projects

Hairdo Manacle github.com/kumarvishu6/Hairdo_manacle1 An Android application for salon booking with real-time analytics.	Apr '24
<ul style="list-style-type: none">• Developed a comprehensive Android application for a salon booking startup, incorporating real-time footfall analytics and optimized slot booking.	

- Successfully managed a cross-functional team, overseeing project planning, development, testing, and deployment.
- Utilized a robust technology stack including Kotlin, Firebase, and Google Maps API to deliver a scalable, user-centric solution.

Web Vulnerability Scanner

Oct '23

github.com/kumarvishu6/Web-scanner | A web vulnerability scanner tool for identifying security vulnerabilities.

- Created a powerful Java-based tool to help security professionals and developers identify vulnerabilities in web applications.
- Included distinct modules for XSS Scan, SQL Injection Scan, and Port Scan.

Home Automation System

Jul '22

A home automation system project leveraging IoT technology.

- Developed a dashboard-controlled home automation system leveraging IoT technology, enabling seamless control of home appliances via a mobile app.
- Streamlined user experience with comprehensive functionality for efficient home management.

Volunteer Experience

Swissmote, Inc

Jalandhar, Punjab, India

Freelance

Jan '25 - Feb '25

- Created an application for a startup and helped it build their product, Deepvid AI, which helped users generate content like music and video using AI.

Education

Birla Institute of Technology, Mesra

Jun '19

Bachelor of Technology | Computer Science | GPA: 8.8

Ranchi, India

Lovely Professional University

May '17

Diploma | Computer Science & Programming | GPA: 9.2

Jalandhar, India

Certifications

Introduction to Containers w/ Docker, Kubernetes & OpenShift

Jan '24

IBM

SAP Professional Fundamentals

Jan '24

Coursera

Cloud Virtualization, Containers, and APIs

Jan '23

Duke University

Foundations: Data, Data, everywhere

Jan '21

Google