Contact

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Top Skills

NumPy
Python (Programming Language)
.NET Framework

Languages

English

Certifications

CIS534 Decision Trees and Model Selection

MCPS: Microsoft Certified Professional

CIS 533 - Learning with Linear Classifiers

CIS537: Deep Learning and Neural Networks

Google IT Support Certificate

Swatantra Yadav

Senior Software Engineer @ Microsoft | Architecting Microservices for Security
Redmond, Washington, United States

Summary

I specialize in architecting and implementing microservices that handle tens of billions of calls daily. My work focuses on precision, performance, and security within high-scale environments, backed by certifications including several courses in ML from Cornell University.

At Microsoft, I designed a service that saves $5M+ annually and led the development of scalable infrastructures across 21 Azure regions. With expertise in microservices, software infrastructure, and security, I am dedicated to delivering impactful and innovative solutions that meet complex challenges.

Experience

Microsoft
Senior Software Engineer
May 2020 - Present (5 years 10 months)
United States

At Microsoft, I've spent the last five years architecting and designing microservices that protect millions of customers and handle tens of billions of calls every day. I thrive in high-scale environments where precision, performance, and security are non-negotiable.

Highlights:
- Cost Savings: Designed and built a service that saves $5M annually—impacting both infrastructure efficiency and operational cost.
- Global Deployment: Architected the infrastructure deployment module that enabled our organization to scale services across 21 Azure regions in under a year.
- Security & Scale: Led backend development for systems that play a critical role in safeguarding customer data at massive scale.

SkyKick
Software Development Engineer
December 2015 - April 2020 (4 years 5 months)
Seattle, Washington, United States

• Designed and developed cloud-based services for seamless mail migration to Microsoft Office 365.

• Researched and integrated IoT features to enhance product capabilities.

• Investigated and resolved complex issues related to COM-based Message API during Outlook profile migration.

• Utilized technologies such as Azure, C#, and SQL Server to deliver robust solutions.

Translational Software
Software Development Engineer
October 2014 - August 2015 (11 months)
Mercer Island

• Developed end-to-end cloud-based SaaS solutions that transformed pharmacogenetic test results into actionable clinical reports.

Microsoft
8 years 6 months

Software Development Engineer in Test-2 (Service Fabric team)
September 2012 - September 2014 (2 years 1 month)
Redmond, Washington, US

• Contributed to the core team developing the Service Fabric product, a competitor to Kubernetes.

• Built a fully automated test framework that bootstrapped Service Fabric across 500+ VMs.

• Conducted rigorous testing, collecting metrics, logs, and process dumps to identify actionable bugs.

Development Lead
April 2006 - August 2012 (6 years 5 months)

• Led a team of developers at Microsoft, overseeing multiple projects and ensuring timely quarterly releases.

• Managed people through hiring, technical design, and code reviews, fostering a collaborative environment.

• Developed strong technical skills while enhancing team productivity and project delivery efficiency.

Computer Sciences Corporation
Senior Software Engineer
April 2005 - March 2006 (1 year)

Java based development for Sun Microsystems.

Oracle
Senior Member Technical Staff
March 2004 - March 2005 (1 year 1 month)
Banglore, India

As a part of Oracle BPEL Process Manager product development team designed and implemented a highly appreciated UI wizard that detects file formats and suggests appropriate converted XML formats and also generates XSD.

Camilion Solutions, An SAP Company
Software Developer
February 2001 - February 2004 (3 years 1 month)

Worked for 3 years on development of a customizable workflow software application for Property and Causality Insurance business. Primary responsibilities were coding using Java / J2EE (JSP, EJB, JMS, Weblogic).

Beta Systems AG, Calgary, Canada
Intermediate Software Developer
August 1999 - January 2001 (1 year 6 months)

Using Visual C++ developed Namespace Extensions and Shell Extensions to extend Windows Explorer. Extensively used Win 32 API, COM interfaces. Database information was displayed in Windows Explorer.

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Education

Cornell University
Certficate Program, Machine learning · (July 2024)

University of Calgary
MS, Computer Integrated Manufacturing · (1996 - 1998)

Motilal Nehru National Institute Of Technology
B.Engg., Mechanical Engineering · (1992 - 1996)