Arun Dhanaraj

Address: 20w325, S Frontage road, Lemont, Illinois -60439
Phone: #773.988.4396 Email: arun.dhanaraj@ieee.org
LinkedIn: https://linkedin.com/in/darunbeece

Education:

University College Name: Vel MultiTech Engineering College/Anna University
University College location: Chennai/TamilNadu
Field of Study: Electronic and Communication Engineering
Degree: BE
Date Started: Apr 2004
Date Graduated: Oct 2008

Field of Expertise:
Enterprise Cloud and Security Architecture

Dates: Oct 2022 – till [15 months]
Title: Vice President cum Senior Cloud Architect
Employer: Mizuho Bank
Location: Chicago, USA

As a Vice President of Cloud Practices, I have spent my career focused on bringing innovative and effective strategies to the forefront of the technology industry. With a passion for driving change and a deep understanding of the latest trends and developments, I have been able to help organizations of all sizes achieve their goals and reach new heights of success.

One of my key areas of expertise is in the development and implementation of Zero Trust strategies. This approach to security is essential in today's rapidly evolving digital landscape, where threats are constantly evolving and becoming more sophisticated. By adopting a Zero Trust approach, organizations can ensure that their data and systems are always protected, no matter where they are located or who is accessing them.

In addition to my work in Zero Trust, I have also been instrumental in driving cost optimization initiatives for many of the organizations I have worked with. By identifying areas where resources are being wasted or underutilized, I have been able to help these companies reduce their expenses and improve their bottom line.

Another area where I have made a significant impact is in the development of Microservices architecture approaches. This approach to software development is becoming increasingly popular, as it allows organizations to break down complex applications into smaller, more manageable components. By doing so, they can improve their agility and responsiveness, and deliver better results to their customers.

Finally, I have also been a strong advocate for the offshore model, which allows organizations to tap into the expertise and resources of talented professionals from around the world. By

leveraging the power of global collaboration, companies can achieve their goals more quickly and efficiently, while also reducing costs and improving their overall performance.

Throughout my career, I have been driven by a deep sense of purpose and a desire to make a positive impact on the world around me. Whether I am working with a small startup or a large multinational corporation, my goal is always the same: to help them achieve their goals and reach their full potential. With my passion, expertise, and commitment to excellence, I am confident that I can continue to make a meaningful difference in the years to come.

I am confident that the implementation of these groundbreaking shifts will propel the organization towards unprecedented advancements in technology, security, and cost-effectiveness. My ultimate objective is to achieve a remarkable cost reduction of 10 million dollars in the upcoming financial year, without any form of external backing.

Dates: Oct 2020 - Oct 2022[25 months]
Title: Cloud & Platform Architect – Global Architecture Board
Employer: CNH Industrial
Location: Chicago, USA

As a distinguished member of the esteemed Global Architect Board, I have successfully spearheaded numerous critical projects across the Nafta and Latam regions. My exceptional expertise in product architecture has been widely recognized through my diligent peer reviews and implementation of infrastructure adjustments that adhere to the highest standards of security and cost-effectiveness.
Behold, I present to you some of the most noteworthy projects I have encountered. Among them, the Farm Beats technology stands out as a game-changer for the agricultural industry. However, its implementation is hindered by the lack of power and internet connectivity in rural farms, and the farmers' limited technological proficiency. This remarkable product employs a comprehensive end-to-end strategy, spanning from cutting-edge sensors to the cloud, in order to effectively tackle the issue at hand. I am actively engaged in spearheading the development of our cloud infrastructure and overseeing the installation of cutting-edge sensors on our testing machine to ensure seamless execution of our test cases and achieve a successful live launch. As a global enterprise, we have successfully executed numerous projects, seamlessly transitioning to cutting-edge technologies such as microservices and native cloud architecture. This has resulted in a remarkable 99.999% product redundancy, ensuring uninterrupted business continuity while significantly reducing infrastructure costs.

We have successfully executed the migration of over 50 SharePoint farms, seamlessly transitioning them to the cutting-edge platforms of Office365 and 2016 from the previous versions of 2010. This innovative approach harnesses cutting-edge technological advancements, resulting in a remarkable 30% increase in productivity compared to previous methods, thereby optimizing business operations to an unprecedented level of efficiency.

Dates: Jul 2017 - Sep 2020[39 months]
Title: Cloud & Platform Architect
Employer: CareVoyant INC
Location: Chicago, USA

I have diligently enhanced my skill set to encompass various cloud platforms and have successfully developed a private cloud platform that adheres to the highest standards of security. My implementation of the full Zero trust architecture methodology, coupled with the incorporation of the HIPAA security framework compliance, has resulted in a truly impressive

achievement. The significance of healthcare products cannot be overstated, particularly when a mere 5-minute downtime can have a profound impact on human life in terms of diagnosis and reporting. In order to mitigate the effects of redundancy and ensure seamless system migration, I have employed the cutting-edge SRE practices to seamlessly transition entire systems from their original platforms to the cloud without any downtime whatsoever. The successful migration of over 500 customers and 2000 systems, along with their associated databases, to the cloud has had a profound financial impact on our company's growth trajectory. This impressive feat has also established a best practices approach to product implementation, further solidifying our position as a leader in the industry. We have ingeniously devised a multitude of outlines that seamlessly transport platforms across diverse cloud environments. Additionally, we have implemented a cutting-edge signal click mechanism that automates the scaling up and down of instances in accordance with the dynamic needs of your business.

Dates: Mar 2013 - Jun 2017 [52 months]
Title: Senior System and Networking Administrator
Employer: CVT Technology Solutions Private Ltd.
Location: Chennai

As the esteemed Senior System and Network Administrator at CVT, I have been entrusted with the critical responsibility of leveraging my exceptional leadership acumen to effectively manage India Site Management and Technical Service. Our unparalleled technical prowess enables us to seamlessly execute the implementation of our cutting-edge product across a diverse range of healthcare clients situated throughout the United States. Upon my induction into the team, I made a keen observation that the datacenter was inundated with over 300 standalone servers, thereby exacerbating the workload of infrastructure maintenance. I took the initiative to implement a cutting-edge solution by virtualizing all standalone servers through the utilization of Hyper V and Vmware technology. Furthermore, I successfully established a disaster recovery region within the USA office datacenter, leading to remarkable cost savings of up to two-thirds of our operations and maintenance expenditures. I have successfully scouted and nurtured a pool of more than 40 exceptional individuals from diverse backgrounds, equipping them with extensive training that aligns with our organization's exacting benchmarks. Furthermore, I have outfitted them with cutting-edge technologies and provided extensive training in the most advanced DevOps and SRE methodologies.
We have ingeniously integrated SRE methodologies to automate the implementation of the Client Product across numerous customers concurrently. The incorporation of these measures is poised to yield a remarkable decrease in workload and alleviate the pressure experienced during the patch deployment process of our esteemed product.

As a result of my exceptional performance, my esteemed organization has taken notice and is eager to relocate me to our esteemed USA headquarters. It is worth noting that last transfer to the United States was over 25 years ago, making it all the more impressive that my talents have remained unparalleled and worthy of recognition. Furthermore, my profile has successfully met the rigorous standards of the L1B unique identity criteria.

Dates Sep 2011 - Mar 2013 [19 months]
Title, Infrastructure Specialist
Employer: National Payments Corporation Of India (NPCI)
Location : Chennai

I am pleased to showcase my performance during my tenure at NPCI. I have had the opportunity to work on two major datacenter projects, **CTS-Cheque transaction system**, and **NFS (National**

Financial Switch), both of which were crucial projects for NPCI. I was entrusted with the responsibility of leading the datacenter implementation project and planning the DR strategy.

My contribution to the project involved configuring over 2000 blade servers, including application and database servers, which were critical to the success of the project. My expertise in Infrastructure Planning allowed me to collaborate with stakeholders, understand business requirements, and develop strategic plans for the IT infrastructure of the organization. My experience in designing, implementing, and managing the network infrastructure of the organization ensured connectivity, security, and performance. I was also involved in the installation, configuration, and maintenance of physical and virtual servers to support business operations.

My expertise in managing the storage infrastructure of the organization, including storage area networks (SANs) and network-attached storage (NAS) systems, resulted in effective capacity planning, data backup and recovery, and data integrity monitoring. My efforts in evaluating and selecting appropriate hardware and software solutions to meet the infrastructure requirements of the organization, including coordination with vendors, contract negotiations, and procurement management, have been commendable.

I am confident that my diligent efforts, technical expertise, and strategic vision make me an asset to any organization.

The remarkable triumph of the CTS project implementation has revolutionized the expeditious clearing of cheques in India. This revolutionary system eliminates the need for physical transportation of cheques, as their electronic images and associated data are seamlessly transmitted for clearance. The implementation of this innovative solution has yielded numerous advantages in the Indian market, such as expedited clearing, significant reductions in both cost and time, and a notable decrease in fraudulent activities.

Dates Feb 2009 - Sep 2011 [32 months]
Title, Desktop Engineer - L1
Employer: Chants Management Consultancy Services Pvt Ltd
Location : Chennai

In my role as a desktop engineer, I demonstrated an unwavering commitment to leveraging my exceptional technical prowess to optimize computer systems and elevate their performance to unprecedented heights. I am a firm believer that technology serves as the foundation of any thriving organization, and I was honored to shoulder the responsibility of overseeing and upholding these systems to ensure optimal performance in all business operations.

My illustrious journey as a desktop engineer commenced with an unwavering passion for cutting-edge technology and an unrelenting aspiration to revolutionize the realm of commerce. I embarked on a journey towards excellence by pursuing a degree in Electronics and communication engineering, where I acquired a robust understanding of the fundamental principles of computer systems and their diverse applications across industries.

I had been privileged to collaborate with a wide spectrum of enterprises, ranging from fledgling startups to mammoth corporations. Throughout my various positions, I had consistently upheld the responsibility of guaranteeing seamless and optimal functionality of computer systems, thereby minimizing any potential downtime and maximizing overall productivity.

Undoubtedly, one of the most fulfilling facets of my job is the privilege to engage in collaborative efforts with fellow experts throughout the entire organization. I firmly uphold that the cornerstone of triumph in any undertaking lies in the seamless interplay of communication and collaboration. I am constantly fueled by the prospect of partnering with fellow visionaries to devise ingenious resolutions to intricate challenges.

As a highly skilled desktop engineer, I was committed to a continuous process of learning and adapting to cutting-edge technologies and emerging trends in the industry. I firmly believe that keeping abreast of the latest advancements is imperative to delivering unparalleled service to my clients and guaranteeing optimal performance of their systems.

My unwavering motivation stems from the profound realization that my role as a desktop engineer holds immense power in driving the success of the organizations I collaborate with. Through my diligent efforts in optimizing computer systems, I am facilitating the attainment of business objectives and fostering a constructive influence within various industries.

I was filled with immense pride to hold the esteemed position of a desktop engineer, and to be bestowed with the privilege of making a significant impact in the realm of technology. I was resolutely dedicated to achieving exceptional results in business operations and to fostering productive partnerships with fellow professionals to devise ingenious resolutions to intricate challenges. I was thrilled to embark on a journey of perpetual growth and knowledge acquisition in this ever-evolving field. My ultimate goal is to leverage the immense potential of technology to facilitate organizations in achieving their objectives.

Educator in Academia

Bachelor of Engineering
Aug. 2004 – oct. 2008,
Electronic and Communication Engineering
University: Anna University
Location: Chennai

Having successfully completed 12+ years of education, I am ecstatic to share that I am the first member of my family to graduate and embark on a journey towards a degree in Electronic and Communication Engineering at the prestigious Anna University. With a fervent interest in electronics and communication, I have ardently pursued these courses, culminating in a remarkable final year project for the esteemed Hyundai Motor in Chennai.

Project Name: **Vehicle Anti-burglary System**
The Vehicle Anti-burglary System is an exceptional security system that has been ingeniously crafted to thwart any unauthorized access and safeguard your car from the perils of theft or burglary. This remarkable system is comprised of a multitude of intricately designed components and cutting-edge features that seamlessly collaborate to elevate the security of the vehicle to unparalleled heights. Behold the impressive array of security features at your disposal: Keyless Entry, Immobilizer System, Alarm System, Vehicle Tracking, Motion Sensors, Glass Break Sensors, Secure Locking Mechanisms, Remote Monitoring and Control, and Anti-Theft Warning Stickers. With these advanced technologies, we can rest assured that your vehicle is safeguarded against any potential threat.

The R&D team was thoroughly impressed by our project, and they have eagerly collected our whitepaper to incorporate it into their future research and development endeavors.

Significant Performance

Dates: Oct 2022 – till [15 months]
Title: Vice President of Cloud Practices
Employer: Mizuho Bank
Location: Chicago, USA

I strive to create innovative strategies that lead to success for organizations. Inspired innovation in Zero Trust security for finance, highlighting Infrastructure as code, cost optimization, Multi-cloud, Microservices, and offshore models. My contributions have inspired others to push boundaries and achieve the impossible. I strive to make a positive impact on the world, regardless of the organization's size or scope. I am committed to achieving a significant cost reduction of 10 million dollars in the next financial year through my own abilities and resources.

Dates: Oct 2020 - Oct 2022[25 months]
Title: Cloud & Platform Architect – Global Architecture Board
Employer: CNH Industrial
Location: Chicago, USA

My exceptional leadership skills and expertise in the field of architecture have led me to successfully lead critical projects across Nafta and Latam regions as a distinguished member of the Global Architect Board. I have inspired others to strive for excellence through my impactful contributions. Our team's exceptional skills have earned us high recognition and business success. Inspiring track record of successful project execution and cutting-edge technology leadership. Farm Beats technology is a game-changer for remote farming communities facing power and internet challenges. I led my team of 85 members to migrate over 50 SharePoint farms, resulting in a remarkable 30% increase in productivity.

Dates: Jul 2017 - Sep 2020[39 months]
Title: Cloud & Platform Architect
Employer: CareVoyant INC
Location: Chicago, USA

I expanded my skill set to create a secure private cloud platform using Zero Trust architecture and HIPAA compliance. The power of SRE practices is evident in our successful migration of customers and systems to the cloud without any downtime. Be inspired by this achievement to explore new solutions and push your own boundaries in your work. The impressive achievement has boosted the company's financial growth and set a benchmark for product implementation. Empowering businesses to operate more efficiently and effectively through innovative cloud solutions and automated scaling mechanisms.

Dates: Mar 2013 - Jun 2017 [52 months]
Title: Senior System and Networking Administrator
Employer: CVT Technology Solutions Private Ltd.
Location: Chennai

Lead with exceptional skills as a Senior System and Network Administrator at CVT, managing India Site Management and Technical Service. Implemented cutting-edge healthcare product across diverse clients in the USA. Achieved virtualization of 300 servers, created a disaster

recovery area, and trained 40 individuals in advanced technologies. Revolutionized product implementation and reduced workload pressure by ingeniously integrating SRE methodologies. I have been relocated to CVT's USA headquarters for my exceptional performance, meeting the rigorous standards of L1B unique identity criteria.

Dates Sep 2011 - Mar 2013 [19 months]
Title, Infrastructure Specialist
Employer: National Payments Corporation Of India (NPCI)
Location : Chennai

I contributed to significant datacenter projects, CTS-Cheque transaction system and NFS, while working at NPCI. I successfully led a large-scale implementation project and developed a strategic DR plan for a group of 48 those involved, configuring over 2000 blade servers along the way. I excel in managing network and storage infrastructure, selecting the best hardware and software solutions, and procurement management. The CTS project in India transformed cheque clearing by eliminating physical transportation, reducing costs and time, and decreasing fraud.

Bachelor of Engineering
Aug-oct. 2008[3 months],
Electronic and Communication Engineering
University: Anna University
Location: Chennai

Vehicle Anti-burglary System is a high-quality security system that prevents unauthorized access and protects your car from theft. The system boosts vehicle security with complex components and features. Experience ultimate security with Keyless Entry, Immobilizer, Alarm, Tracking, Sensors, Locks, Remote Control, and Anti-Theft Stickers. Advanced tech ensures vehicle safety. Hyundai management board was impressed by the anti-theft design.

Certification Achievements:
Oct 2008: Hyundai recognized project completion and achievement.
Nov 2019: AWS Solutions Architect – Professional - #x2ky6zbcmbe11bwg
May 2020: Kubernetes #332980
Jan 2020: Azure Disaster Recovery #285486
Aug 2021: Az 303 MS Azure Architect Technology
Sep 2021: Azure Solution Architect Expert – credly # a4caa811-d13f-4b8a-a27f-d86780a3fd58
Sep 2021: Az 304 MS Azure Architect Design
Dec 2023 Azure Databricks Platform Architect
Dec 2023 Generative AI Fundamental

Book:
Dec 2023: https://www.amazon.de/Great-Digital-Migration-Should-follow/dp/B0CR4GPVHP

Publications:
Jul 2023: https://amadisglobal.com/podcast-cloudtechtalks/
Jul 2023: What to Expect in 2023-2025 & How the Enterprises Should Brace Themselves?
Jul 2023: https://asiatechdaily.com/securing-multi-cloud-environments-overcoming-challenges-and-ensuring-data-protection/
Aug 2023: https://medium.com/authority-magazine/cross-functional-collaboration-for-enhanced-cybersecurity-arun-dhanaraj-on-the-best-practices-for-35cefdca1219

Aug 2023: https://cloudsecurityalliance.org/blog/2023/09/06/discover-how-to-navigate-compliance-challenges-at-the-intersection-of-data-governance-and-ai-integration
Aug 2023: https://www.youtube.com/watch?v=4Yw01H5G_HY
Aug 2023: https://www.cshub.com/case-studies/reports/mid-year-state-of-cyber-security-apac
Aug 2023: https://cloud.folio3.com/blog/on-premise-to-cloud-migration/#Insights-from-Experts
Aug 2023: Iphone 15 Guide
Sep 2023: https://medium.com/authority-magazine/arun-dhanaraj-on-the-future-of-artificial-intelligence-a77e27121782
Sep 2023: https://cloudsecurityalliance.org/blog/2023/09/27/putting-zero-trust-architecture-into-financial-institutions
Sep 2023: https://cloudsecurityalliance.org/blog/2023/09/06/discover-how-to-navigate-compliance-challenges-at-the-intersection-of-data-governance-and-ai-integration
Sep 2023: https://www.lifewire.com/wonderlust-iphone-15-7967150
Oct 2023: https://hackernoon.com/understanding-and-mitigating-the-threat-initial-access-brokers-iabs
Oct 2023: https://hackernoon.com/pros-and-cons-of-zero-trust-security-architecture-for-remote-workers
Oct 2023: https://hackernoon.com/clash-of-the-clouds-azure-kubernetes-service-vs-azure-red-hat-openshift
Oct 2023: https://hackernoon.com/5-essential-elements-of-a-strong-cyber-security-framework-for-financial-institutions
Oct 2023: Leveraging the Potential - DZone
Oct 2023: Efficient Serverless and Containers Mastery - DZone
Oct 2023: Zero Trust Architecture: Enterprise Infrastructure - DZone

Peer Reviews:
Aug 2023: https://cloudsecurityalliance.org/artifacts/identity-and-access-management-glossary

Evaluation:
Reviewed 5 Applications of IEEE Members who applied for an Evaluation to the Senior Membership Position at IEEE 2023-2024

Contribution & Judging:
Aug 2023: https://stevieawards.com/women/new-product-service-awards-judging-committee
Aug 2023: https://sourcingindustryawards.isg-one.com/home/paragonamericas
Sep 2023: https://bintelligence.us/2023-judge-stratus/Slide8.PNG
Sep 2023: https://medihacks.devpost.com/
Oct 2023: https://www.scribd.com/document/693821050/Secure-Severless-Module-Architecture-Notes & https://cloudsecurityalliance.org/artifacts/how-to-design-a-secure-serverless-architecture
Oct 2023: https://globeeawards.com/arun-dhanaraj/
Mar 2024: https://bintelligence.us/2024/ai-judge/social-images/Slide23.PNG

Membership:
Since 2023: Senior IEEE Member
Since 2023: IADAS - Associate Member
Since 2023: CyberSecurityHub Member
Since 2023: CSA -San Francisco Chapter
Since 2024: 451Alliance Member

Technology Advisor:
Since 2017: Cloud9 Infosystems
Since 2018: https://amadisglobal.com/
Since 2021: https://autharva.com/