Paresh Natarajan

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Eligible for co-op opportunities starting May 2024

EDUCATION

University of Cincinnati, Carl H. Lindner College of Business   Cincinnati, Ohio
Master of Science, Information Systems   Dec 2024

SRM University   Chennai, India
Bachelor of Technology, Electronics and Communication Engineering   May 2021

WORK EXPERIENCE

DevOps Engineer   Chennai, India
Cognizant   Jul 2021 – Jul 2023

- Reduced deployment time by 50% through the design and implementation of a fully automated CI/CD pipeline.
- Developed and maintained a cloud-based monitoring and alerting system in AppDynamics, improving application availability by 30% and reducing mean time to resolution (MTTR) by 40%.
- Spearheaded the development and maintenance of a Kubernetes-based autoscaling solution, achieving a 25% reduction in infrastructure costs and a 15% increase in application performance during peak traffic periods.
- Implemented an automated solution for provisioning, configuring, and managing AWS services, reducing manual effort by 80% and improving system reliability by 30%

Intern   Chennai, India
Cognizant   Feb 2021 – Jun 2021

- Utilized Python programming to develop automated solutions, reducing manual work by 60 hours per month and improving task efficiency.
- Transformed a monolithic application into a scalable Microservices architecture, leveraging Angular to develop a cutting-edge Single Page Application (SPA) that delivered 50% faster page load times and improved user experience cloud.
- Developed and maintained API unit tests, leading to a 25% decrease in errors and a 15% improvement in API quality.

PROJECTS & COLLABORATIONS

.NET Project, Library Management System   Aug 2023

- Pioneered the development of a feature-rich Library Management System in C#, Razor Pages, and Bootstrap, showcasing strong proficiency in full-stack development.
- Implemented advanced LINQ queries for efficient data handling, ensuring optimal performance with large datasets, and crafted an intuitive, responsive user interface with Bootstrap and sophisticated event handling techniques.
- Established a secure system with robust authentication, authorization mechanisms, and integrated search/filtering functions, adhering to impressive coding conventions for a clean, scalable codebase.

Agile Leadership and Collaboration   Feb 2023

- Guided cross-functional IT teams in the collaborative development of strategic architecture and design, ensuring alignment with Agile principles.
- Analyzed intricate business requirements, providing innovative and effective technical solutions.
- Seamlessly integrated DevOps processes into core development practices for enhanced efficiency.
- Orchestrated harmonious synergy among diverse teams, facilitating seamless communication and successful delivery of high-quality software solutions.

SKILLS

- **Programming Languages**: C++, Java/J2EE, .Net, SQL, Postgres, jQuery, HTML, CSS, JavaScript, React.js, TypeScript, R
- **Cloud Infrastructure:** Microsoft Azure, AWS
- **Tools, Frameworks**: Docker, Kubernetes, Bootstrap, Azure DevOps, Visio, Power BI, TensorFlow, Catchpoint, Git, AppDynamics, Terraform
- **Data Technologies**: Hadoop, Cassandra, Snowflake, Redis