OMPRAKASH NARAYANAN LAKSHMANAN

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SKILLS

Languages	JavaScript, TypeScript, C#, GraphQL, SQL, C++
Frameworks	Angular, .NET Core, Entity Framework, NgRx, Node.js
DevOps and Cloud	Microsoft Azure, Bicep, AWS, Docker, GitHub Actions
Databases	Microsoft SQL Server, Azure Cosmos DB
Concepts	REST APIs, Microservices, Scalable Architecture, Clean Code, Design Patterns, Infrastructure as Code (IaC)

EXPERIENCE

Software Engineer II   **Medpace** - Cincinnati, OH
July 2023 – October 2025

- Contributed to a high-priority SiteFeasibility project, including Adobe Sign integration and developing a data processing and analysis tool to automate and improve internal workflows.
- Built scalable .NET Core applications on Azure, optimizing performance and reducing application load time from 50s to 3s.
- Streamlined Infrastructure as Code (IaC) using Bicep for efficient provisioning of Azure resources.
- Collaborated across teams through the full SDLC, from requirements and design to deployment and post-release support.

Senior Software Developer   **Propel Technology Group Inc.,** - Chennai, India
July 2020 - December 2021

- Built RESTful APIs and Microservices with .NET Core in a CI/CD setup using Azure DevOps.
- Introduced GraphQL to the API stack, enabling dynamic query generation and improving client application flexibility.
- Led front-end code maintenance, code reviews, and user experience improvements.
- Implemented file upload functionality to Amazon S3 with resume capability and gained expertise in SMS notification systems by implementing a secure two-factor authentication system.

Software Engineer   **Orion Innovation** - Chennai, India
June 2017 - May 2020

- Developed and maintained a responsive, cross-browser compatible customer-facing web application using Angular in a CI/CD environment with Azure DevOps.
- Reduced app load time by 4x using AOT compilation, lazy loading, and webpack.
- Integrated authorization guards to enhance app security and privacy.
- Mentored and trained 10 junior developers in HTML5, CSS3, JavaScript, and Angular 6, improving team skill level and code quality.

EDUCATION

Master of Science in Computer Science, Purdue University, Fort Wayne   Jan 2022 - May 2023
GPA: 4.0/4.0
Coursework: Software Engineering, Heuristic Problem Solving, Algorithm Design and Implementation, Machine Learning, Computer Vision, Cryptography, Software Testing.

Bachelor's in Electronics and Communication Engineering, Anna University, Chennai Aug 2013 - May 2017
GPA: 8.29/10

PROJECTS

BrandCraft *Angular, Three.js, WebGL*

A 3D customization platform for branding products like bottles, mugs, and boxes. Enables users to upload logos, apply decals, engravings, or embossing on 3D models with turntable animations and export/embed options.

MapMate *Angular, .NET Core, SignalR*

Real-time group location-sharing app with WebSocket integration and cloud-based backend.

Music Genre Classification *React.js, Python, Flask, CNN*

Built a web app to classify music genres using deep learning and content-based recommendation.

Sign Language Detector *Python, OpenCV, TensorFlow*

Created a real-time system to recognize and classify hand gestures for sign language.

MY AWARDS

- **Employee of the Month**, Propel Technology Group   Dec 2018
  Awarded for improving app load speed and implementing an expression parser.