

# OMPRAKASH NARAYANAN LAKSHMANAN

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## OBJECTIVE

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Software Engineer with 6+ years of experience in cloud-native development, front-end performance optimization, and infrastructure automation, seeking full-time opportunities to leverage my skills in building scalable and efficient solutions.

## EDUCATION

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**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

## SKILLS

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

## EXPERIENCE

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**Software Engineer II** Medpace – Cincinnati, OH  
*Jul 2023 – Present*

- Led the development team on a high-priority project, overseeing task distribution and ensuring on-time delivery.
- Built scalable .NET Core applications on Azure, implementing performance optimizations that reduced app 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.

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

- 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.

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

- 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.

## PROJECTS

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### 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.

### Droply

*WebRTC, JavaScript, Node.js*

Built a peer-to-peer file sharing web app using WebRTC for direct browser-based transfers without server-side storage.

### 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

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