Nimal Padmanabhan

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EXPERIENCE

Software Engineer | Jul 2023 - present
Wells Fargo | *San Francisco, CA*

- Architected and optimized a scalable data storage solution, leveraging Angular, .NET, and SQL, supporting millions of records with near real-time access.
- Enhanced system performance by 40% through the implementation of structured stored procedures, optimized endpoint calls, and reusable Angular components.
- Remediated critical security vulnerabilities, including XSS and unauthorized admin access, identified through BlackDuck scans by implementing robust security measures, resulting in a more secure and compliant web application.
- Led the strategic migration of frontend components from jQuery and Vue.js to Angular, significantly enhancing the app's scalability and maintainability.
- Facilitated seamless cross-functional collaboration with offshore and onsite teams, driving productivity and innovation through weekly Agile ceremonies and well-defined sprint cycles.

Software Engineer Intern | Jun 2022 - Aug 2022
Wells Fargo | *San Francisco, CA*

- Designed and prototyped a new API gateway service, transforming existing HTTP client code to RESTful API calls, cutting operational steps by 50% and enhancing service reliability.
- Engineered a conversion process for text-based statements to PDF on the MARS platform using Java and Spring Boot, streamlining archival and retrieval workflows.
- Improved the user experience of the CEO (Commercial Electronic Office) website with advanced React techniques, boosting user satisfaction and engagement.

Undergraduate Researcher | Aug 2021 - May 2022
Purdue University | *West Lafayette, IN*

- Engineered the development of a dashboard UI for a hospital in Westchester County, NY, in collaboration with the Purdue Nursing Department and other researchers, streamlining healthcare data visualization
- Implemented front-end solutions using PythonQT, Dash, and React to create a functional prototype, accelerating the development process
- Secured first place in the 2022 IISE Data Analytics and Information System Web/Mobile App Competition for outstanding innovation and usability in healthcare app design

EDUCATION

Master of Science in Computer Science, Georgia Institute of Technology (part-time) | May 2026
Bachelor of Science in Computer Engineering, Purdue University | May 2023

SKILLS

Languages	Java, Python, C/C++, C#, JavaScript, HTML/CSS, SQL
Frameworks	Angular, React, Node, .NET, Spring Boot, Flask, PySpark
Technologies	Git, Google Cloud Platform, Docker, SQLite, SQLAlchemy, Oracle SQL Developer, MongoDB

CERTIFICATIONS

Google Cloud Professional Cloud Architect | Feb 2024
Google Cloud Associate Cloud Engineer | Oct 2023