

Naga Ganesh Singh Kurcheti

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EDUCATION

Master of Science in Computer Science | University of Florida | Gainesville, FL
Bachelor of Technology in Computer Science | Acharya Nagarjuna University | Guntur, India

May 2021
April 2017

SKILLS

Programming Languages: Java, JavaScript, C++, C#, Golang, HTML/CSS
Frameworks: ReactJS, .NET Frameworks, Ruby on Rails, Angular, gRPC, Truffle, GTest
Database/Tools: MySQL, MS SQL Server (T-SQL), Oracle (PL/SQL), AWS, Azure, Jenkins

PROFESSIONAL EXPERIENCE

- Salesforce | Senior Software Developer - Java and JavaScript** **February 2024 - Present**
- Architected and led the enablement of UI API for the Task entity in Sales Cloud, enhancing Task GenAI features to 80,000+ customers.
 - Spearheaded migration of core components of Task entity from **Aura** to **LWC**, resolving 30+ **A11Y** bugs and ensuring future scalability.
- Tesla | Senior Software Developer - Golang and ReactJS** **April 2023 - February 2024**
- Scaled line-side software for operators to support building Model Y and Cybertruck, resulting in at least ~10% production increase.
 - Improved activity tracking and tool-controller microservices, yielding ~30% less debugging time, and doubling data processing speed.
- Google | Software Developer - Java (Android) and C++** **July 2021 - April 2023**
- Achieved 84% initial accuracy by architecting and developing Google Assistant's Arbitration client-side logic for Pixel devices.
 - Minimized Google Assistant's listening device identification time by ~30%, increasing Arbitration reliability by at least 10%.
 - Authored 3 major and ~5 minor design documents to scale and improve performance of Arbitration logic across multiple Google devices.
- Mercedes Benz Research & Development | Software Developer Intern - C++** **February 2021 - April 2021**
- Enhanced unit test cases for in-car AI assistant using **GTest** and **GMock**, improving overall test coverage by ~70%.
 - Refactored most of the underlying logic for the embedded functions interface and created new component tests framework using **Python**.
- University of Florida | Student Programmer Intern - ReactJS, AWS** **September 2020 - February 2021**
- Directed the development of a patient data tracking web portal, using **ReactJS** and **AWS** (lambda, API Gateway, and DynamoDB).
 - Simplified 4+ report generation interfaces into a single, efficient, and generic one, resulting in significant time savings for administration.
- ADP | Software Developer Intern - Angular, .NET** **June 2020 - August 2020**
- Implemented a solution to identify access issues across 15+ micro services, saving ~40 hours developer's time per month.
 - Reduced error resolution time to <1 min with automated client/team emails in case of any application error.
- GGK Technologies (ACS) | Software Developer - JavaScript, Java, Ruby on rails** **July 2017 - July 2019**
- Organized training sessions and evaluated over 50 interns in **ReactJS**, **.NET**, **Angular**, and **AWS**.
 - Elevated Pronto Woven's user interface and admin functionality, resulting in an impressive 50% increase in site speed.

PROJECTS

- Google Assistant: Multi Device Arbitration (MDA)**
- Developed Arbitration logic for **Android (Java)** devices, increasing accuracy rate by >20% in Android phones and tablets.
 - Crafted design for Arbitration service to future-proof 100% Google Nest devices reaching end-of-life.
- Shylnk** | <https://shylnk.com>
- Coordinated team meetings and architected application structure for web, mobile, and Chrome extension using **ReactJS** and **Ruby**.
 - Devised **Jenkins** script for robust CI/CD pipelines, ensuring seamless application deployment hosted in **Azure** and **AWS**.
- Convert to Client Time Zone** | https://www.npmjs.com/package/ctoc_timezone
- Led the development of a JavaScript library that converts server time to client time zones, within 1ms of post-page load.
 - Integrated time display formatter and utilized callbacks to provide a flexible way of accessing or modifying the time.
- Memory Reciter** | <https://github.com/GaneshKurcheti/Memory-Reciter>
- Performed research on memory allocation, partition, and potential causes for memory leaks in a **.NET** application.
 - Built an open-source tool to monitor class object lifecycles in real-time, enabling the identification and resolution of memory leaks in running applications in less than ~1 minute.
- Pronto Woven: CRM/CMS Project**
- Proposed and implemented design to optimizes product search functionality by automatically displaying the most relevant products first (up to 30+ million) in ~20 seconds.
 - Devised a scalable method for seamless integration of third-party APIs, including **Amazon Marketplace** and **Shopify**.

AWARDS

3 Spot bonuses and 5 Peer bonuses | Google | 2022
Employee of the Year, Trainee of the Month, and Innovation Award | GGK Tech | 2018