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SKILLS

Management Skills:

Agile Methodologies
Budget Planning
Decision Making
Efficient Time Management
Human Resources Oversight
Jira & Trello
Leadership
Problem-Solving
Relationship and Team Building
Sprint Management
Workflow development

Technical Skills:

AWS
Algorithms
Architecture Design
CI/CD
Cloud Infrastructure
Data Structures
Database design
Deep Learning
DevOps
Git
Java
Kubernetes
Machine Learning
Microservices
Microsoft Azure
NLP & CV
Oracle Cloud
Python
R Programming
RPA
Ruby on Rails

ANANTHAPRAKASH THIYAGARAJAN

Chief Technology Officer

PROFILE • ABOUT ME

Results-driven and highly accomplished CTO with over 4 years of experience in the technology industry. Proven track record in developing and scaling innovative health-tech cloud-based software solutions and impact measurement SAAS solutions, resulting in a remarkable **95%** increase in customer satisfaction and a substantial **350%** upswing in revenue growth. Adept at delivering successful products, having spearheaded the development of **15+** impactful solutions.

As a visionary CTO, I possess a strong commitment to leveraging technology to transform businesses, drive innovation, and deliver exceptional results.

CAREER HIGHLIGHTS:

- Recognized for optimizing the performance of feature-rich impact analysis and CRM platforms by an impressive **60%**, enhancing operational efficiency by **40%**, and achieving a substantial **25%** increase in customer retention within a short duration.
- Demonstrated expertise in architecting, developing, and scaling multiple SAAS platforms, along with delivering white-labeled enterprise-grade applications.
- **Strategic thinker** with a resolute focus on driving profitability and minimizing costs through a relentless pursuit of continuous improvements and meticulous planning of IT infrastructure.
- Accomplished reducing technical expenses by **30%** by streamlining IT support costs and facilitating enhanced data accessibility throughout the organization.
- Exhibited a strong commitment to security and compliance, and adeptly implemented robust measures to ensure adherence to industry regulations.
- Additionally, proficient in fostering employee satisfaction, with a commendable **20%** increase in employee retention and a notable **30%** improvement in project delivery timelines.
- Collaborated with interdepartmental team to support new initiatives, and significantly contributed to overall business growth.

WORK EXPERIENCE

Makerble

June 2022

Chief Technology Officer

- Current

London

United Kingdom

- Significantly enhanced the performance of the impact measurement SAAS by **60%**, resulting in faster data processing, improved accuracy,

TRAINING & CERTIFICATIONS

- End-to-End Machine Learning With TensorFlow On GCP
Google, 2020
- Neural Network And Deep Learning
Deeplearning.AI, 2019
- Accelerated Deep Learning With GPU
IBM, 2019
- Data Science
Microsoft, 2019
- Computer Vision Specialist
NVIDIA, 2020
- Python Programmer
LiveWire, 2018
- RPA
Automation Anywhere, 2018
- RPA Specialist
UiPath, 2019
- Bing Ads Accredited Professional
Microsoft, 2019
- Digital Marketing
Google, 2020

LANGUAGES

Tamil



English



and increased client satisfaction.

- Successfully optimized and scaled the infrastructure of the system, leading to a **40%** reduction in operational costs.
- Implemented robust security measures to align with the industry standards set by the European Union. This included compliance with regulations such as GDPR (General Data Protection Regulation).
- Introduced automation processes to reduce manual labor and improve efficiency, resulting in significant cost savings for the company. The cost savings were measured by comparing the previous and post-automation expenses associated with manpower and operational processes.
- Made strategic recommendations and implemented technology transformations that positively impacted the company's profitability.
- Led the transformation of the technical team, streamlining their development and enhancing their overall performance by **30%**. The improvement in team performance was evaluated through metrics such as project completion time, reduced error rates, and feedback from team members and stakeholders.

The Renal Project

July 2020

Chief Technology Officer

- June 2022

Mumbai, Maharashtra

- Successfully led the development team in creating a cloud-based dialysis management software, resulting in an estimated **annual revenue of \$10M** and a remarkable improvement in **client satisfaction by 95%**.
- Achieved cost savings of **\$50,000 per year** by eliminating the need for 3rd party vendors through the development of in-house products.
- Demonstrated exceptional leadership skills by managing the HR team and successfully hiring over **100** developers, engineers, and managers.
- Designed, developed, and effectively managed various in-house software solutions, including cloud-based Human Capital Management software, Dialysis data digitization software, and **enterprise-grade** dialysis management SAAS (Whitelabel enabled).
- Actively collaborated with the sales and marketing team to ensure accurate delivery of product features, enhancing overall customer satisfaction.
- Took charge of all aspects of more than **7** projects, starting from requirement gathering and continuing through to deployment, ensuring smooth and successful project execution.
- Utilized strong architectural skills to design an optimized IT infrastructure, resulting in up to **90% reduction** in server costs.
- Successfully managed and guided the digital marketing team, leading to a remarkable **10-fold increase in audience** reach through effective SEO and social media platform strategies.

Agasti

December 2019

Deep Learning Engineer

- May 2020

Maryland

United States

- Spearheaded the development of cutting-edge NLP architectures to effectively analyze and determine sentiment from incoming data, achieving an accuracy rate of **90%** based on benchmark metrics.

- Took the lead in architecting a robust pipeline for the seamless deployment of deep learning modules, resulting in a **50%** reduction in deployment time and an increase in overall system efficiency.
- Successfully designed and implemented a computer vision module specifically tailored for product identification using scraped data, achieving a recognition accuracy of **95%** and significantly improving data processing speed.
- Leveraged advanced data analysis techniques to analyze and visualize insights from complex datasets, enabling accurate pattern recognition and providing actionable recommendations to stakeholders.

WaiterBee

June 2019

Deep Learning Engineer

- November 2019

Bangalore, Karnataka

- Strategically architected the end-to-end AI workflow of the application, optimizing data flow and ensuring seamless integration of various modules. This resulted in a **20%** increase in overall efficiency and a **15%** reduction in system errors.
- Conceptualized, designed, and developed a state-of-the-art chatbot that mimics realistic conversations, achieving a chatbot-human interaction success rate of **80%** based on user feedback.
- Pioneered the development of a cutting-edge sentiment analysis module, utilizing advanced deep-learning techniques to analyze user reviews with an accuracy rate of **95%**. This module enabled businesses to gain valuable insights into customer sentiment and make data-driven decisions.
- Developed a highly accurate computer vision module specifically designed for food classification, achieving a recognition accuracy of **92%**. This module streamlined the food identification process, enabling automation and enhancing operational efficiency in various industries such as e-commerce and restaurant management.
- Employed deep learning principles to architect a sophisticated NLP model capable of summarizing the content and answering user questions.

Sensegrass

January 2019

Deep Learning Intern

- May 2019

Santiago

Chile

- Successfully implemented personalization algorithms for applications with a large user base
- Developed a SEQ2SEQ architecture-based chatbot with an impressive accuracy rate of **85%**, as measured by user feedback
- Utilized advanced techniques to optimize neural networks for the prediction and analysis of agricultural crop-based data, achieving a **20% improvement** in prediction accuracy compared to traditional methods.
- Designed and implemented a recommendation system for crops, leveraging machine learning algorithms to provide personalized recommendations to farmers.
- Leveraged deep neural networks to visualize and analyze vector and raster geographical data, enabling accurate determination of mineral

resources in the soil.

- Actively participated in challenging software and hardware research projects, combining Deep Learning, Natural Language Processing, and Knowledge Representation pipelines to engineer effective workflows for real-world problems.

EDUCATION

Software Processes And Agile Practices,

University of Alberta

Marks 97%

Machine Learning,

University of London

Marks 92%

Algorithms,

Stanford University

Marks 100%

Computer Vision,

State University of New York At Buffalo

Marks 100%

Computer Science and Engineering, Bachelor of Engineering / Bachelor of Technology,

Dhirajlal Gandhi College of Technology

Marks 8.6 [CGPA]

Salem, Tamil Nadu