GANESAN S

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience in backend development, cloud infrastructure, and containerization. Proficient in Go, TypeScript, and JavaScript, with hands-on experience in AWS, Kubernetes

EDUCATION

University of Florida – Master's in Computer Science   GPA: 3.61/4.00   *Aug 2021 – May 2023*
SRM University, India – Bachelor's in Computer Science   CGPA: 8.844/10   *July 2014 – May 2018*

TECHNICAL SKILLS

Programming Languages: Go, TypeScript, JavaScript, Python, Java
Backend & Frontend: Golang, Node.js, RESTful APIs, Microservices, React.js, HTML5, CSS3, Redux
Cloud & DevOps: AWS (EC2, S3, Lambda, ECS, RDS), Terraform, Pulumi, Docker, Kubernetes
Databases: PostgreSQL, MongoDB, Redis, DynamoDB
AI/ML: LLMs (OpenAI, GPT), TensorFlow, spaCy, GloVe NLP, Redis VectorDB
Concepts: Infrastructure as Code, Security Best Practices, Containerization, Scalability

WORK EXPERIENCE

Maxil Technology Solutions | Full-Time | *Software Engineer* | Oak Brook, IL   *May 2024 – Present*
Product Description: Job Board for contract IT roles

- **Built robust backend systems** using **Go** to design and implement a **job recommendation engine** hosted on **AWS EC2**, resulting in a 15% increase in job posting views.
- Enhanced user experience by contributing to the frontend development of the platform using **React.js** and **TypeScript**, ensuring intuitive and responsive interfaces.
- Managed **containerized applications** using **Kubernetes** and **Docker**, ensuring high availability and scalability of the platform.
- Improved system scalability by implementing **Infrastructure as Code (IaC)** using **Terraform** to manage cloud resources on **AWS**, reducing deployment times by 30%.

BestRx Pharmacy Software| Full-Time | *Full Stack Engineer* | Oak Brook, IL   *Aug 2023 – Apr 2024*
Product Description: Pharmacy Management Suite (Point Of Sale, Inventory, Medical Billing)

- **Improved backend efficiency** by developing a **RESTful Backend as a Service (BaaS) API** using **Go** and **ASP.NET Core**, which tracked prescription transfer requests and improved prescription compliance by 25%.
- Enhanced cloud infrastructure by migrating on-premises systems to **AWS**, leveraging **Terraform** for infrastructure automation and ensuring compliance with security best practices.
- Contributed to frontend development using **React.js** and **JavaScript**, delivering a seamless user experience for pharmacy staff and patients.

Autoreview.ai | Intern | *Software Engineer Intern, AI/ML* | Gainesville, FL   *May 2022 – Dec 2022*
Product Description: Document Manager for Construction Companies

- **Built scalable backend systems** by engineering a **microservice** using **Go** and **TensorFlow** for sentence embeddings, achieving 92% accuracy in generating on-demand regulatory insight reports.
- Streamlined product subscription handling through a **RESTful microservice** that securely generates license keys using **AES encryption** and managed their lifecycle transitions using **Django and MongoDB**.
- Enabled real-time GIS data delivery by implementing **spatial indexing and geocoding workflows** using **PostGIS & Google Maps APIs** in **NodeJS** and **ReactJS**.

Infosys | Full-Time | *Software Engineer* | Chennai, India   *Jul 2018 – Jul 2021*
Product Description: Information System for Subsidized Housing Projects

- **Improved system stability** by migrating complex on-premises databases from **Oracle** and **MS SQL Server 2005** to **Azure-hosted SQL Server 2017**.
- Enhanced data insights for cross-functional teams by creating **Power BI report templates** with **SQL Server Integration**.
- Resolved issues in 96 SSRS reports and provided long-term development support for property and contract management modules using **WPF .NET Framework 4.7.2** and **C# 6.0**.