

PROFESSIONAL SUMMARY

Innovative and detail-oriented Software Engineer with a master's degree in computer science and 3+ years of professional experience in developing enterprise applications. Adept at contributing to all phases of the development lifecycle, with a strong foundation in web technologies and cloud computing. Excels in fast-paced environments, consistently delivering complex solutions that enhance client satisfaction and operational efficiency.

EDUCATION

Master of Science (MS)

Major ~ Computer Science

Stevens Institute of Technology ~ Hoboken, New Jersey

12/2023

SKILLS

- **Programming Languages:** C#, Java, SQL, HTML, JavaScript, Python
- **Databases:** Oracle, MySQL, MongoDB, PostgreSQL
- **Frameworks and Libraries:** ASP.NET, .NET Core
- **Cloud Services:** AWS
- **DevOps:** Docker, Kubernetes, Jenkins, Terraform
- **Operating Systems:** Windows, Linux, Ubuntu
- **Web Servers:** Apache, Nginx
- **eCommerce Platforms:** Shopify, Zoey
- **Version Control:** Git
- **Other Tools:** Visual Studio

WORK HISTORY

Data Analyst

Abraham Sons & Leathers

Long Island, New York

09/2022 to Present

- **Automated data pipelines** for Shopify and Zoey platforms, reducing manual reporting efforts by 30% and improving **data consistency** across teams.
- Designed and implemented **custom dashboards** using **Tableau** and **Power BI**, allowing real-time tracking of key performance indicators (KPIs) like sales, inventory, and customer behaviors.
- **Integrated Shopify and Zoey** data with internal systems through **API connections**, streamlining data flow and enabling more accurate **performance tracking** across departments.
- Analyzed customer purchasing patterns and sales trends using **SQL** and **Python**, helping to shape marketing campaigns and product pricing strategies that improved customer engagement.
- Provided **data-driven insights** to optimize customer retention and enhance overall customer experience, contributing to a 15% increase in repeat customers.
- Diagnosed and resolved data quality issues within Shopify and Zoey integrations, **improving data accuracy** by 20%, ensuring reliable business intelligence.
- Created detailed **financial** and **sales reports** using **SQL**, offering leadership insights into profitability, inventory turnover, and sales performance, aiding decision-making.
- Collaborated with product, marketing, and engineering teams to align data analysis with broader business goals, supporting data-informed strategy adjustments.
- Boosted **marketing ROI** by 10% through effective analysis of campaign performance and optimization of resource allocation.

Freelance Web Developer

Arize Digital

Remote

01/2024 to Present

- Developed and maintained a full-stack web application using **HTML**, **CSS**, **JavaScript**, and **React** for the front-end, ensuring a responsive and mobile-friendly user interface.
- Built a scalable back end using **Node.js**, integrating with **MongoDB** for efficient handling of unstructured data and fast data retrieval.
- Designed and implemented **RESTful APIs** to enable seamless communication between the front-end and back-end, ensuring secure data transfer and system reliability.
- Integrated multiple payment gateways such as **Stripe**, **PayPal**, and **Plaid**, enabling users to complete secure financial transactions, including one-time and recurring payments.
- Ensured **PCI-DSS** compliance by implementing encryption and tokenization techniques to protect sensitive payment information.
- Built custom workflows for **payment processing** that handled scenarios like refunds, chargebacks, and payment disputes, streamlining financial operations for end-users.
- Integrated **webhooks** from payment providers to ensure real-time updates on payment status, improving transaction tracking

and user experience.

- Developed solutions for **handling payment errors** and retries to ensure high success rates for transactions and minimize failed payments.
- Created a **transactional logging** system to capture all payment-related activities for auditing and troubleshooting purposes.
- Optimized the system to handle high transaction volumes, implementing **API rate limiting** and request throttling to maintain smooth performance during peak times.
- Enhanced the system's security by mitigating vulnerabilities such as **cross-site scripting (XSS)** and **cross-site request forgery (CSRF)**, ensuring safe payment operations.
- Collaborated with payment service providers to integrate **fraud detection mechanisms**, ensuring safe and reliable transactions for users.

Full Stack Software Developer

08/2020 to 08/2022

Siva Sai IT Solutions

Hyderabad, India

- Implemented data visualization techniques using **HTML**, **JavaScript**, and **CSS** for intuitive report presentation.
- Engineered a secure HR module, improving employee management and payroll processing, using **.NET MVC** and Entity Framework.
- Created Sales and CRM module with **AngularJS**, boosting lead tracking and customer engagement.
- Advanced financial reporting capabilities in the Financial Management module with effective **SQL** queries and **ASP.NET Web API** integration.
- Developed a Production and Planning module, employing **C#** multi-threading to ensure timely updates on manufacturing processes.
- Invoked various Web services using **REST**, **WSDL**, and **SOAP**, and implemented **jQuery**, **JSON**, **DHTML**, and **DOM** Scripting for effective ERP integration.
- Implemented dynamic content updates in the Inventory Management module using **jQuery**, improving stock tracking and order fulfillment.
- Designed **RESTful web services** for seamless data exchange, optimizing inventory, and sales module integration.
- Utilized **SQL**, **Server Reporting Services (SSRS)** to generate insightful reports, incorporating data visualization with modern web technologies.
- Ensured robust database integration across all **ERP** modules, leading to enhanced data consistency and retrieval.
- Leveraged Entity Framework for seamless mapping of entity objects to **relational database** tables, thereby enhancing data consistency.
- Conducted thorough code reviews, managed source control with **Git**, and played a key role in the deployment and load balancing of ERP updates on **AWS**.
- Ensured a consistent and visually appealing user experience through the utilization of **Bootstrap CSS**, and **ReactJS**.

Academic Projects

E-Wallet

07/2023 to 12/2023

Stevens Institute of Technology

Hoboken, New Jersey

- Developed a secured e-wallet application, enhancing customer transaction capabilities with high-level security features.
- Implemented **Jenkins** for robust continuous integration, streamlining the deployment pipeline for efficient release management.
- Utilized **AWS** cloud services, integrating **Kubernetes** for scalable hosting and **RDS** for reliable, scalable database management.
- Managed source code versioning with **Git**, facilitating team collaboration and codebase stability.
- Configured **Amazon ECR** for secure storage and management of **Docker** container images, enforcing stringent security protocols.

Disease Detection Through Advanced Audio Analysis

03/2023 to 06/2023

Stevens Institute of Technology

Hoboken, New Jersey

- **Preprocessed respiratory sound data**, ensuring quality and consistency, and **extracted Mel-Frequency Cepstral Coefficients (MFCCs)** using **advanced audio analysis libraries** to capture essential features for disease detection.
- Developed a **Convolutional Neural Networks classification** model using state-of-the-art techniques, achieving an impressive **89% accuracy** rate in distinguishing between different types of respiratory sounds, showcasing the model's effectiveness.
- Thoroughly evaluated the model's performance through various metrics, **including loss and accuracy visualization and confusion matrix analysis**, to ensure the robustness and reliability of the classification results.
- Utilized a range of powerful tools and libraries for data handling, model building, and evaluation, including **NumPy**, **Pandas**, **PyTorch**, **TensorFlow**, **Keras**, and **Scikit-learn**, demonstrating a strong command of these technologies.

ACHIEVEMENTS, CERTIFICATIONS & INTERPERSONAL SKILLS

- ✓ [AWS Associate Developer Certification](#) (Cid: 3bde13c3255b4fe0889234c817dc55f7) by Amazon.
- ✓ [Google Certified Data Analytics Certification](#) by Coursera.
- ✓ Excellent vocabulary, and social and networking skills aimed at generating business and ensuring loyal clientele.
- ✓ Sublime program management skills to complete tasks with accuracy, efficiency, and as per schedule.
- ✓ Ability to produce results both individually and as a team player.