

Clint Maruti

+254 796 475 102 | clintmaruti@gmail.com | LinkedIn: <https://www.linkedin.com/in/clint-maruti/>

PROFESSIONAL SUMMARY

Innovative Senior Software Engineer with 8 years of experience crafting scalable, high-performance full-stack applications that prioritize user experience and seamless functionality. A natural problem-solver with a passion for transforming complex challenges into intuitive solutions, I excel at designing resilient system architectures that drive business value. Known for my ability to lead projects from concept to deployment, I thrive in collaborative environments and leverage my expertise to optimize processes, enhance performance, and exceed expectations. Committed to continuous learning and innovation, I bring a forward-thinking mindset and an unwavering dedication to delivering exceptional results.

TECHNOLOGIES

Programming Languages	JavaScript, Typescript, Python, Java, SQL, PHP
Front-end	HTML, CSS, SCSS, Reactjs, Nestjs, Vitejs, Utility-first Frameworks (Tailwind, Bulma), traditional CSS framework (Bootstrap, Semantic UI, Material UI)
Back-end	Nodejs, Nest, Expressjs, Django, Django-rest, Laravel
Ai	LangChain, RAG, LLMs
Data Stores	PostgreSQL, MySQL, MongoDB, Redis, Pinecone, Chroma
Web Servers	NGINX, Apache
Operating Systems	Windows, Linux, MacOS
Cloud	AWS, Azure, Google Cloud
Source Control	Github, BitBucket, Gitlab
Containers	Docker, ECS
Data Streaming	Kafka, Rabbit MQ, Celery

PROFESSIONAL EXPERIENCE

Co-founder, CTO at CaselexAi

March 2024 - Present

As the **Co-founder and CTO** of **CaselexAi**, I led the entire technical development of a cutting-edge AI-powered legal research platform, single-handedly driving the development process from start to finish.

Responsibilities:

- **Product Development:** Designed, developed, and launched the core functionality of the CaselexAi application, delivering the beta version in a highly competitive accelerator timeline.
- **Data Engineering:** Developed and implemented a micro-service architecture to scrape case law and legal documents from multiple sources, performing extensive data sanitization and storing the processed data in AWS S3.
- **Ingestion Service:** Built an ingestion service to load documents from S3, chunk them using semantic chunking, and store them in Chroma DB using OpenAI's embedding model for efficient search and retrieval.
- **Backend Development:** Created a Node.js Express backend service integrated with LangChain to retrieve information from Chroma DB and generate responses using OpenAI LLMs.
- **Frontend Development:** Developed the front end using React to create a seamless and intuitive user interface for legal practitioners and consumers.
- **End-to-End Execution:** Managed the entire product development cycle, from ideation to deployment, ensuring the application met market demands and provided value to users.

Key Achievements:

- Delivered a fully functional and scalable beta version of the platform, improving legal research efficiency through AI-driven data processing techniques.
- Successfully integrated complex data workflows, ensuring data integrity and accessibility while offering a smooth user experience.
- Positioned **CaselexAi** as an innovative solution for legal professionals, streamlining legal research with cutting-edge AI technology.

Technologies: Node.js, Express, Typescript, Python, FastAPI, LangChain.js, React.js, AWS S3, AWS EC2, AWS Amplify, ChromaDB

Entrepreneur in Residence at Antler

March 2024 - May 2024

Antler - Early Stage VC Firm

As an **Entrepreneur in Residence** at Antler, I focused on identifying and developing a promising venture in the legal tech space, applying innovative AI-driven solutions to the legal industry.

Responsibilities:

- Spearheaded the ideation and execution of a legal tech startup, taking it from concept to the beta stage within the accelerator's timeframe.
- Collaborated with a multidisciplinary team to design and refine the core product, focusing on scalability and usability for legal practitioners.
- Presented progress and the product vision to potential investors and partners, emphasizing the market opportunity and strategic approach.

Key Achievements:

- Successfully launched a robust and scalable beta version within the accelerator program, achieving key milestones.

- Demonstrated strong leadership and project management skills in driving the product development lifecycle.
- Built and nurtured relationships with key stakeholders, enhancing the venture's visibility in the legal tech space.

Technologies: Product design, market analysis, stakeholder engagement.

Senior Software Engineer at Slide

2021 - February 2024

Saudi Arabia (Remote)

Slide is a pioneering company focused on enhancing business revenue through innovative chatbot solutions integrated with social media channels.

Responsibilities:

- **Core Product Development:** Contributed to the design and development of Slide's core product, a dynamic chatbot that integrates with social media channels to help businesses drive revenue and improve customer interactions.
- **Backend Architecture & Design:** Led the design and implementation of backend systems using Event-Driven Architecture (EDA), allowing for decoupled, scalable, and highly responsive services that could efficiently handle the complex workflows of chatbot interactions across multiple social media platforms.
- **Event Stream Management:** Implemented message queues and event streams using Kafka, enabling reliable and asynchronous communication between microservices. This facilitated the smooth handling of real-time events such as user messages, interactions, and notifications.
- **System Integrations:** Developed backend integrations with various social media platforms (e.g., WhatsApp, Facebook Messenger, Instagram), ensuring real-time communication between the chatbot and users with minimal latency.
- **Microservices and Scalability:** Architected microservices that leveraged event-driven principles, enabling horizontal scalability and ensuring that the backend could easily handle large volumes of user interactions and data.
- **Database Management:** Designed and managed databases, ensuring the secure and efficient storage and retrieval of user interactions and chatbot analytics. Implemented caching mechanisms and optimized queries for better performance.
- **Cross-functional Collaboration:** Collaborated closely with product management, design, and marketing teams to iteratively enhance the product, address user feedback, and align backend systems with evolving business goals.
- **Production Support:** Actively participated in troubleshooting and resolving production issues, working to maintain minimal downtime and a positive user experience. Led the debugging and resolution of backend-related issues in real-time production environments.

Key Achievements:

- Successfully built and maintained a backend architecture capable of supporting the rapid growth of Slide's user base, ensuring high uptime and quick scalability.
- Improved backend performance and optimized APIs, contributing to smoother user interactions and faster response times across multiple social media platforms.
- Played a pivotal role in maintaining and scaling the infrastructure, helping Slide achieve a seamless integration with various social media channels to maximize business revenue for clients.

Technologies: Node.js, Express, Python, AWS, Kafka/RabbitMQ, SQL/NoSQL Databases, Event-Driven Architecture (EDA), RESTful APIs, Redis, Docker, Kubernetes

Senior FullStack Engineer at PipeSearch

January 2022 - June 2022

Houston, Texas (Remote, Contract)

PipeSearch is a leading provider of innovative search solutions aimed at optimizing pipeline management and improving business workflows.

Responsibilities:

- **Frontend Development:** Designed, developed, and maintained key frontend features using **JavaScript/TypeScript** and **React.js**, significantly enhancing user engagement and improving the overall user experience with interactive, high-performance interfaces.
- **Feature Prioritization and Implementation:** Collaborated closely with cross-functional teams (including product and design) to prioritize and implement new features based on user feedback, driving product evolution and increasing user satisfaction.
- **API Development & Optimization:** Built and optimized robust, scalable **API endpoints** using **Node.js**, ensuring seamless communication between the frontend and backend systems while achieving a significant reduction in API response times and improving performance under load.
- **Database Management:** Performed essential **PostgreSQL** database maintenance tasks, including **data migrations, query optimization, and integrity checks**, ensuring efficient, reliable, and accurate data storage while enhancing query performance.
- **Continuous Delivery:** Delivered multiple high-impact features to production, improving product functionality, user adoption, and client satisfaction, while adhering to agile practices and ensuring smooth deployment cycles.
- **Cross-Functional Collaboration:** Worked closely with product managers, designers, and other stakeholders to align development efforts with business goals, ensuring the timely delivery of features that met user needs and enhanced the product's value proposition.

Key Achievements:

- Contributed to the development and deployment of key frontend features, significantly improving the product's usability and engagement.
- Enhanced API performance, reducing response times and optimizing scalability, leading to a smoother user experience.
- Played a key role in optimizing database performance, ensuring reliable data access and improving overall system efficiency.

Technologies: JavaScript, TypeScript, React.js, Node.js, PostgreSQL, RESTful APIs, Agile methodologies

Senior Software Engineer at Pearl

August 2021 - December 2021

San Francisco, USA (Remote, Contract)

Pearl is a platform focused on fan community engagement and monetization, providing a scalable, interactive environment for fans and creators.

Responsibilities:

- **Core Feature Development:** Delivered key platform features using **JavaScript/TypeScript**, successfully meeting investor milestones and demonstrating the platform's potential for fan community engagement and monetization.
- **Backend Services:** Built and optimized scalable backend services using **Nest.js** and **Node.js**, improving system performance and ensuring a modular architecture to support future platform enhancements.
- **GraphQL API Development:** Designed and implemented **GraphQL APIs** to enable efficient data querying, ensuring smooth and fast communication between the **React.js**-based frontend and backend, which resulted in enhanced user satisfaction through faster data retrieval.
- **Frontend Development:** Utilized **React.js** and **Next.js** to build dynamic, responsive, and user-friendly frontend features, optimizing the user experience and improving interface performance across devices.
- **Collaboration and Feedback:** Worked closely with stakeholders and cross-functional teams to deliver the product on time, incorporating feedback to improve functionality and user experience.

Key Achievements:

- Successfully delivered key features that met investor expectations, showcasing the platform's potential for community engagement and monetization.
- Improved system scalability and performance, positioning Pearl for future growth and feature expansion.
- Enhanced frontend and backend communication, resulting in faster and more efficient data access.

Technologies: JavaScript, TypeScript, React.js, Next.js, Nest.js, Node.js, GraphQL

Software Engineer at Letrads Consultants

September 2019 - August 2021

Letrads Consultants specializes in providing software solutions for various industries, including water billing and mental health support.

Responsibilities:

- **Web Application Development:** Designed, implemented, and deployed a **scalable web application** for automating water billing processes. Utilized **Node.js** for backend development and **REST APIs** for seamless communication. Integrated **AWS Lambda** for cost-efficient serverless computing.
- **Real-Time Chat Platform:** Led the development of a secure and user-friendly **mental health support platform**, implementing **WebSocket APIs** in **Node.js** for real-time chat functionality, and integrated **AWS DynamoDB** for scalable, low-latency database storage.
- **Cloud Infrastructure:** Deployed and maintained cloud infrastructure on **AWS**, using services like **EC2**, **S3**, **CloudFront**, and **Elastic Beanstalk** to ensure high availability, reliability, and rapid scaling.
- **Authentication & Security:** Implemented robust **authentication mechanisms** using **AWS Cognito** and enhanced application performance through **API Gateway caching**, while using **AWS CloudWatch** for real-time application monitoring.
- **Collaborative Development:** Participated in sprint planning, code reviews, and maintained CI/CD pipelines to ensure smooth delivery of features and enhancements.

Key Achievements:

- Successfully deployed scalable and secure applications, significantly improving automation and real-time capabilities for clients.
- Enhanced application reliability and performance, ensuring seamless cloud-based infrastructure that could scale with growing user demands.

- Contributed to the security and efficiency of applications, implementing industry best practices for authentication and real-time communications.

Technologies: Node.js, AWS Lambda, DynamoDB, AWS Cognito, AWS EC2, S3, CloudFront, API Gateway, REST APIs, WebSockets, AWS CloudWatch

Associate Engineer at Andela

November 2018 - August 2019

Andela is a global talent accelerator, creating a new generation of software engineers for the world's most innovative companies.

Responsibilities:

- **In-House Product Development:** Collaborated in building and maintaining Andela's in-house products, including a **performance tracking application** used for evaluating team and individual performance.
- **API Design and Development:** Designed and developed **RESTful APIs** using **Flask** and **Django-Rest Framework**, ensuring secure and reliable communication between the frontend and backend systems.
- **Frontend Leadership:** Led the **frontend team** in implementing new features using **React.js**, **JavaScript**, and **HTML/CSS**, with a focus on providing a seamless and intuitive user experience.
- **Unit Testing & Quality Assurance:** Wrote comprehensive **unit tests** following best practices for **test-driven development (TDD)**, ensuring a high-quality, maintainable codebase.
- **Cross-Functional Collaboration:** Worked closely with **product managers**, **designers**, and other teams to gather requirements, design features, and ensure alignment with project goals and timelines.
- **Agile Practices:** Engaged in **agile development** practices, including sprint planning, stand-ups, and retrospectives, to ensure timely delivery of features and successful project milestones.

Key Achievements:

- Successfully contributed to the development of key in-house products, improving performance tracking and team productivity.
- Led frontend initiatives that enhanced the user experience of the performance tracking application.
- Contributed to the success of agile teams, ensuring efficient project delivery and high-quality code through testing and reviews.

Technologies: Flask, Django-Rest Framework, React.js, JavaScript, HTML/CSS, REST APIs, TDD, Agile

Full-stack Web Developer at Kreative Renaissance

December 2017 - November 2018

- Redesigned and enhanced a job listing application, improving user experience, performance, and scalability.
- Built a robust backend using **Django**, focusing on modular, reusable components.
- Developed responsive UI components, ensuring cross-device and cross-browser compatibility.
- Managed hosting and deployment on **Digital Ocean**, ensuring high availability and smooth updates.
- Collaborated with cross-functional teams to gather requirements and deliver a user-centric product.

Web Developer at Letrads Consultants

January 2012 - February 2013

- Developed and maintained the organization's website using **HTML/CSS, JavaScript, PHP**, and **MySQL**.
- Mentored computer science students, guiding them in establishing clear career paths.

Education & Certification

- **BSc. in Mathematics and Computer Science**
Jomo Kenyatta University of Agriculture and Technology, Kenya
2013 - 2015
- **Machine Learning**
Stanford Online