LERA SUANU

(475) 282-5521 · lerabari65@gmail.com · New York, NY · linkedin.com/in/lerabari-suanu-1a2b3c · github.com/leracraft

PROFESSIONAL SUMMARY

Full-stack software engineer who ships features end-to-end in a production TypeScript , from PostgreSQL/Prisma schemas and Node.js APIs through Redis, real-time WebSockets, and React UIs. Strong at data-integrity and concurrency problems (race conditions, locking, multi-instance caching), third-party API integrations, and writing design docs and architecture decision records before building. Introduced Browserbase/Playwright automation to replace manual QA. AWS-trained with hands-on DevOps experience. M.S. in Computer Science.

CORE COMPETENCIES

AI & Automation: Browserbase · Playwright · Claude AI (AI-augmented engineering) · Prompt engineering · LLM agent workflows

Frontend: React · TypeScript · JavaScript (ES6+) · CSS Modules · Mantine UI · WebSockets (Socket.io) · State management

Backend & APIs: Node.js · Koa · Express · Prisma ORM · PostgreSQL · Redis (pub/sub, locks) · RESTful APIs · WebSockets · Scheduled jobs

Systems & Data: Concurrency control · Distributed locks · Caching · Background jobs · Schema design & migrations · Stripe API · CSV data pipelines

Testing & QA: Vitest · Playwright · Browserbase · End-to-end automation · QA workflow design · Smoke / regression suites

AWS Services: EC2 · S3 · Lambda · IAM · CloudWatch · SageMaker · CloudTrail · Athena · ECS

IaC & DevOps: Terraform · Docker · Kubernetes · CircleCI · Git · GitHub · Linux · Multi-environment pipelines

Practices: Design docs & ADRs · Release notes · Code review · Agile · Technical presentation · Cross-functional collaboration

PROFESSIONAL EXPERIENCE

Software Engineer | ReefnBid | Remote Jan 2026 – Present

- Designed and shipped a real-time offer and counter-offer system end-to-end across 20+ PRs: database schema, REST API, two role-based UIs, live WebSocket updates, automatic payment on acceptance, scheduled expiry jobs, CSV bulk import, and an analytics dashboard.
- Built a unified multi-item cart that merges two independent purchase flows, validates each item through its own service path, batches processing per vendor, and sends itemized transactional emails.
- Designed and built a ~9K-line account-risk feature spanning API, customer UI, and internal admin tools: rule-based automatic account state changes, configurable usage limits, refund handling, and an admin review queue with a full audit trail.
- Root-caused and fixed production concurrency bugs, including duplicate writes under rapid concurrent requests (now decided under a lock before any side effect) and an in-flight background update that overwrote stored values.
- Eliminated race conditions between scheduled jobs and multiple code paths writing a shared table, using compare-and-swap guards and server-side invariants enforced on every write path, so records could no longer disappear or land in an invalid state.
- Kept cached page templates consistent across every API instance using Redis pub/sub, with a client-side self-heal check for environments without deploy webhooks.
- Launched a new product category end-to-end: per-item fulfillment options, distance calculation, a separate fee model, and a required policy check enforced consistently across five creation paths.
- Introduced Browserbase and Playwright to replace a 13-part manual QA script with an automated smoke suite that pauses at human checkpoints, cutting release verification time for non-technical reviewers.
- Wrote design plans, architecture decision records, and 35+ release notes; delivered a database workshop for the engineering team on schema design, ORM patterns, and safe schema changes in an AI-assisted workflow.

Cloud & DevOps Engineer - Independent Project 2024 – 2025

- Architected AWS cloud infrastructure using EC2, S3, Lambda, IAM, and CloudWatch, with a focus on scalability, high availability, and security compliance.
- Authored Terraform modules for repeatable infrastructure-as-code provisioning across multi-service AWS environments.
- Containerized applications with Docker, orchestrated workloads with Kubernetes, and automated full CI/CD pipelines via CircleCI.
- Implemented S3 Versioning, Object Lock, and lifecycle policies with CloudTrail and Athena for audit-ready security monitoring.
- Developed automation scripts in Python and Golang for cloud operations and deployment workflows.

AI/ML Engineer - Independent Project 2024 – 2025

- Trained ML classification models using PyTorch and Scikit-learn on AWS SageMaker, with structured hyperparameter tuning achieving strong validation accuracy.
- Built a deep learning image classifier with TensorFlow and Keras reaching 90%+ validation accuracy through data augmentation and regularization.
- Explored LLM and agent-based architectures for workflow automation, applying prompt engineering and chain-of-thought reasoning strategies.

Technical Operations Assistant | University of Bridgeport | Bridgeport, CT Mar 2024 – Dec 2025

- Managed secure technical operations for 500+ stakeholders, enforcing access control protocols and credentialing policies across distributed campus systems.
- Configured and maintained access control platforms with timezone-aware scheduling to ensure system uptime and compliance readiness.

Programming Instructor | Dreamaker | Beijing, China Jul 2021 – 2023

- Taught Python, algorithms, and software design to 200+ students through project-based instruction covering OOP, data structures, and engineering fundamentals.

KEY PROJECTS

Browser-Based QA Automation Workflow - *Browserbase · Playwright · TypeScript · Node.js*

- Replaced a 13-part manual release checklist with an automated browser test suite that runs smoke checks, pauses at human judgment points, and gives non-technical reviewers a guided step-by-step experience. Built the admin UI, backend endpoints, and scenario runner from scratch.

Real-Time Offer Negotiation System - *React · TypeScript · Node.js · Prisma · PostgreSQL · Socket.io · Stripe*

- Shipped a time-limited offer and counter-offer system end-to-end: schema, API, role-based UIs, real-time socket updates, automatic payment on acceptance, expiry jobs, CSV bulk import, and unified search across listing types.

Account Risk Controls & Admin Review Queue - *Node.js · Prisma · PostgreSQL · Redis · React · TypeScript*

- Built rule-based controls that automatically move high-risk accounts to a restricted mode, enforce usage limits, handle refunds, and surface each account's full history in an admin review queue.

Unified Multi-Flow Cart - *Node.js · Stripe · Prisma · React · TypeScript*

- Built a cart that combines two different purchase flows, validates each item through its own API path, batches processing per vendor through the Stripe API, and sends itemized transactional emails automatically.

Secure AWS Data Protection Architecture - *AWS S3 · CloudTrail · Athena · Terraform · IAM*

- Provisioned audit-ready cloud storage with S3 Versioning, Object Lock, Replication, and lifecycle policies, plus automated monitoring via CloudTrail and Athena, using version-controlled Terraform modules.

Cloud-Native CI/CD Pipeline - *Docker · Kubernetes · CircleCI · AWS ECS*

- Containerized and orchestrated a web application with Docker and Kubernetes, automating the full build/test/publish/deploy cycle via CircleCI across multiple environments.

ML Classification System on AWS SageMaker - *PyTorch · Scikit-learn · AWS SageMaker · Python*

- Built and trained classification models on SageMaker with structured hyperparameter tuning and evaluation pipelines delivering strong validation accuracy.

EDUCATION

M.S. Computer Science | University of Bridgeport | Bridgeport, CT Jan 2024 – Dec 2025

B.S. Computer Science & Technology | Hebei University of Science & Technology Sep 2015 – May 2019

CERTIFICATIONS

- AWS Academy Cloud Development - Amazon Web Services
- RPA Basics and Introduction to UiPath
- Ethical Hacking & Penetration Testing (In Progress)