

JACOB ISRAEL R. SALAZAR

Senior Full Stack Developer

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PROFESSIONAL SUMMARY

Results-driven Senior Full Stack Developer with 9+ years of experience specializing in enterprise-level React.js, Angular.js, Python (Django / Flask), Express.js, and .NET applications. Proven expertise in building scalable, cloud-based architectures for educational platforms serving 1,000+ users. Deep experience in distributed systems, database optimization, and performance monitoring. Passionate about leveraging technology to transform education and accelerate learning outcomes. Strong technical communicator with experience leading cross-functional teams across US time zones.

CORE COMPETENCIES

Frontend Development: React.js, Angular.js, React Hooks, Context API, Redux Toolkit, TypeScript, Component Architecture

Backend Development: Python (Django / Flask), Express.js / Node.js, .NET RESTful APIs, WebSockets, GraphQL

Cloud & Architecture: AWS (EC2, RDS, CloudFront), Distributed Systems, Scalable Architecture Design

Database & Performance: PostgreSQL, MonPythonDB, Redis, Query Optimization, Database Design, Performance Monitoring

DevOps & CI/CD: GitHub Actions, Docker, Automated Testing, Infrastructure as Code

Security: OAuth 2.0, JWT, API Security, OWASP Best Practices, Data Encryption

Education Technology: Learning Management Systems, Assessment Tools, Student Progress Tracking

PROFESSIONAL EXPERIENCE

Senior Full Stack Developer | Social Scale, Australia & Farahi Law Firm, Los Angeles

January 2023 - June 2025

- Architected enterprise React and Python (Django / Flask) and Express applications serving 1,000+ concurrent users with 99.9% uptime
- Led transition of critical platform components (database, performance monitoring, system metrics) to internal team
- Implemented comprehensive automated testing suite achieving 90% code coverage in CI/CD pipeline
- Optimized database performance reducing query response times by 65% through indexing and query optimization
- Built real-time collaboration features using Python WebSockets and React for seamless user experience
- Participated in daily code reviews and knowledge-sharing sessions, mentoring 2 junior developers
- Worked in US Pacific time zone, leading cross-functional teams across multiple locations

Senior Full Stack Developer | Aureas Media, Singapore

March 2020 - December 2022

- Developed Ecommerce Backoffice application called Cuura using React frontend, Express.js, and Python (Django / Flask) backend serving 1,000+ students
- Built distributed microservices architecture in Python handling real-time student progress tracking
- Implemented performance monitoring system identifying and resolving bottlenecks before user impact
- Created reusable React component library improving development efficiency by 40%
- Designed database schema supporting complex educational data relationships and reporting
- Established automated testing practices in CI/CD environment using GitHub Actions
- Led technical discussions on architecture decisions impacting platform scalability
- Optimized system performance handling peak loads during assessment periods

Full Stack Developer | Accenture

June 2019 - February 2020

- Built enterprise learning management features using React and Python for Fortune 500 clients
- Implemented secure API authentication using OAuth 2.0 and JWT tokens
- Developed real-time analytics dashboard for tracking student engagement metrics
- Collaborated with product managers to align technical solutions with business objectives
- Created comprehensive technical documentation for API endpoints and system architecture

Software Developer | New Promise Construction

September 2018 - January 2019

- Developed training platform for construction workers using React and Node.js
- Built progress tracking system monitoring skill development and certifications
- Implemented offline-first architecture for field-based learning scenarios
- Created intuitive UI for workers with varying technical proficiency levels

TECHNICAL SKILLS

Frontend Technologies

- **React Ecosystem:** React 16-18, Redux Toolkit, React Query, React Router
- **Languages:** TypeScript, JavaScript ES6+, HTML5, CSS3
- **UI Frameworks:** Material-UI, Ant Design, Tailwind CSS
- **Testing:** Jest, React Testing Library, Cypress

Backend Technologies

- **Python:** Django / Flask
- **APIs:** RESTful Design, GraphQL, WebSockets
- **Databases:** PostgreSQL, MonPythonDB, Redis, Database Migration Tools

Cloud & DevOps

- **AWS:** EC2, RDS, Lambda, S3, CloudFront,
- **Containers:** Docker
- **CI/CD:** GitHub Actions, Automated Testing,
- **Monitoring:** Application Performance Monitoring

Security & Best Practices

- **Authentication:** OAuth 2.0, JWT, Session Management
- **Security:** OWASP Top 10, API Security, Data Encryption
- **Code Quality:** Code Reviews, Pair Programming, Clean Code Principles

EDUCATION

Bachelor of Science in Computer Science

De La Salle University Manila | 2014 - 2018

WHAT I BRING TO YOUR TEAM

- **10+ Years Full Stack Experience:** Proven track record building enterprise-level applications
- **5+ Years React & Python Expertise:** Deep knowledge of both technologies in production environments
- **Education Technology Passion:** Genuine commitment to transforming education through technology
- **Architecture Excellence:** Experience defining and implementing scalable, secure architectures
- **Performance Focus:** Expertise in database optimization and system monitoring
- **Team Collaboration:** Strong communicator working effectively across US time zones
- **Immediate Impact:** Ready to contribute to technical roadmap and platform enhancement from day one