James Pryor

- Singapore (Relocating Early 2026)
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Professional Summary

Senior Software Engineer with 15+ years in TypeScript, React, Node.js, and cloud-native architectures. Proven in partnering with business stakeholders to deliver innovative, performant solutions that enhance efficiency and decision-making in high-stakes environments. Experienced in agile practices, code quality leadership, mentoring, and exploring emerging technologies including AI/ML for strategic impact.

Core Strengths

- **Modern Web Development**: TypeScript, React.js, Node.js, GraphQL, REST APIs, single-page applications, performance optimization
- **Cloud & DevOps:** AWS, Docker, Kubernetes, GitLab CI/CD, automation, microservices
- **Architecture & Systems Thinking:** Distributed systems, scalability, resilience, performance
- **Agile Leadership:** Scrum, Kanban, TDD, peer reviews, mentoring, cross-functional collaboration
- **Quality & Reliability:** Integration testing, SIT, UAT support, documentation, traceability
- **Domain Alignment:** Secure systems, compliance-driven environments, mission-critical products
- **Emerging Technologies & Innovation**: Machine learning/AI exploration, cloud platforms (AWS), containerization (Docker/Kubernetes)
- **Business Partnership & Impact** – Collaborating with portfolio managers/business users to translate requirements into scalable, reliable solutions

Professional Experience

Ultra I&C - Continuous ATO Team | Software Engineer 5 (2024 – Present)

- Led CI/CD automation that improved deployment time from days to minutes, drastically reducing build errors and production risks.
- Architected and delivered modernization of complex systems using, enhancing scalability, maintainability, and strategic capabilities through rigorous testing and business collaboration.
- Standardized engineering rituals (peer review, agile ceremonies), improving code quality and team delivery throughput.
- Authored technical documentation enabling smoother onboarding, faster troubleshooting, and higher engineering consistency.
- Contributed to achieving an Authority to Operate (ATO) on secure government cloud systems, ensuring compliance and audit readiness.

Ultra I&C – Ultra Labs R&D | Software Engineer 4 (2023 – 2024)

- Developed innovative prototypes with React/TypeScript, Python/Flask, and CI/CD pipelines, enabling rapid experimentation and data-driven insights for business validation — exploring patterns applicable to AI-enhanced tools.
- Improved reliability of integration pipelines, reducing integration friction and build errors across multiple teams.
- Provided guidance to project leads, improving engineering discipline and architectural decision-making.

Second Front Systems - Web App Team | Senior Software Engineer (2021 − 2023)

- Designed and maintained cloud-native applications, improving performance and user experience.
- Architected distributed systems on AWS to achieve high reliability, fault tolerance, and scalability.
- Integrated third-party APIs to expand system capabilities and improve cross-team workflows.
- Collaborated with product owners and business stakeholders to define requirements, design, and deliver high-impact, performant web solutions using agile methodologies (Scrum/Kanban).
- Improved engineering effectiveness by establishing agile practices and supporting team-level process improvements.

Ultra I&C − Sustainment | Software Engineer 3 (2020 − 2021)

- Developed and debugged cross-platform applications supporting mission-critical systems.
- Supported implementation of new code review tooling, improving maintainability and governance.
- Streamlined internal processes, improving responsiveness and feature delivery turnaround times.

Raytheon - Multi-spectral Targeting System | Software Engineer 2 (2016 − 2020)

- Developed real-time embedded software, supporting mission-critical aerospace applications.
- Applied TDD and agile practices to raise software quality and reduce defect leakage.
- Trained military personnel on new system features, improving operational readiness.
- Coordinated internal flight testing and demonstrated system capabilities to customers.
- Mentored junior engineers, fostering technical excellence, code quality through peer reviews, and continuous improvement — earning commendations for leadership and knowledge sharing.

Earlier Technical Roles (Summary)

Prairie View A&M University − Research Assistant (2014 − 2016)
Built REST APIs, MVC frontends, data visualizations, and a Hadoop cluster interface.

Hewlett Packard Enterprise − Software Engineering Intern (2015)
Developed dashboards, improved documentation systems, and optimized internal knowledge workflows.

L-3 Communications − Software Engineering Intern (2013)
Built web tools for NASA Orion testing automation.

Various IT Engineering Roles (2003 − 2014)
Systems administration, virtualization, documentation systems, IT operations, and custom solutions for SMEs.

United States Marine Corps − Sergeant, NBC Defense Specialist (1998 − 2003)
Leadership, training, logistics, readiness operations; honorable discharge; security clearance.

Education

Bachelor of Science, Computer Science (3.8) — Prairie View A&M University
Associate of Applied Science, Business (4.0) — Lone Star College System

Technical Skills

Languages: Typescript, JavaScript, Go, Python, PHP, SQL
Frameworks: React, Node.js, Flask, Angular (basic), Backbone.js, GraphQL
Cloud/DevOps: AWS, Docker/Podman, Kubernetes, GitLab CI/CD, Git, Linux
Practices: Agile, Scrum, Kanban, TDD, microservices, System Integration Testing, User Acceptance Testing, peer code reviews, documentation & knowledge transfer