

# ANTHONY HARPER

## Senior Full-Stack Software Engineer | Healthcare Technology Lead

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## PROFESSIONAL SUMMARY

Senior Full-Stack Software Engineer and Technical Lead with 20+ years of experience engineering high-throughput web architectures, patient engagement systems, and enterprise healthcare fintech platforms. Proven expertise in designing hands-on legacy system integrations, modernizing engineering workflows, and building cloud-native payment and patient-facing solutions. A depth of domain experience bridging complex EHR environments with modern web applications to drive patient collection performance.

## TECHNICAL TOOLKIT

- **Domain Expertise:** Healthcare Fintech, Patient Financial Engagement, EHR & Practice Management Integrations, Legacy Migrations
- **Cloud & Infrastructure:** Linux, AWS (SQS, Lambda, S3, CloudFront, Route 53, CodePipeline), Docker, AI-Assisted Workflows / LLM Integrations
- **Databases & Architecture:** T-SQL, MySQL, AWS Aurora, PostgreSQL, REST APIs, Microservices, Asynchronous & Event-Driven Systems, Bi-Directional Integrations
- **Languages & Runtimes:** Python, JavaScript, TypeScript, Java, Adobe ColdFusion / Lucee

## EMPLOYMENT HISTORY

**PatientPay LLC** | Remote | September 2024 – August 2026

*Senior Software Engineer*

- **Transition & Migration:** Executed technical transitions and system integrations following the corporate acquisition of ClearGage, maintaining legacy application stability during migration.
- **Critical Maintenance:** Maintained critical payment infrastructure components, ensuring strict data integrity and high availability during multi-tenant data migration phases.
- **ETL Pipeline Modernization:** Modernized core legacy ETL infrastructure by migrating dozens of data pipelines from Jitterbit to Apache Airflow (AWS MWAA), significantly improving execution reliability while cutting platform operating costs.
- **Technology Focus:** Python, Apache Airflow (AWS MWAA), Java, Adobe ColdFusion, Lucee, Linux.

**ClearGage LLC** | Tampa Bay Area, FL | November 2018 – September 2024

*Lead Software Engineer*

- **Automated Patient Outreach Engine:** Engineered a multi-channel patient engagement platform incorporating serverless AWS components (SQS, Lambda) and third-party messaging APIs to orchestrate automated SMS, email, and paper statement delivery, driving online portal adoption and balance resolution.

- **EHR Integration Engineering:** Architected and deployed a custom, bi-directional integration connecting the platform with the DrChrono EHR; automated real-time balance tracking, triggered targeted outreach journeys, and synchronized completed payment updates back to the EHR.
- **Full-Stack Feature Development:** Led hands-on design and full-stack development for key platform features, including treatment estimation tools, automated payment plan creation, and payment gateway infrastructure.
- **Engineering Leadership & Mentorship:** Mentored junior and senior developers, established technical documentation standards, and served as subject matter expert for core platform architecture and system operations.
- **AI & Workflow Optimization:** Championed the adoption of AI-assisted tooling into product development and coding workflows, improving developer velocity and introducing modern automation to adjacent business departments.

**GSL Solutions** | Tampa, FL | April 2010 – November 2018

*Full-Stack Web Developer*

- **Full-Stack Development:** Developed front-end and back-end features using JavaScript, HTML, CSS, ColdFusion, and PHP for TriplePoint CMS.
- **Container Infrastructure:** Spearheaded initial containerization initiatives using Docker to streamline software deployment and environment management.
- **Secure Web Applications:** Supported and deployed secure web applications for U.S. Senate and House of Representatives offices, political campaigns, and public institutions.

**Jagged Peak** | Tampa, FL | December 2007 – April 2010

*Junior Developer*

- **Internationalization & Multi-language:** Designed and implemented internationalization / multi-language support for Nespresso's service portal.
- **Modernization & Optimization:** Enhanced legacy Order Import systems to improve batch data processing accuracy and execution speed.

## EDUCATION

**Associate of Science in Internet Information Systems** | Remington College, Largo, FL  
(Graduated April 2003)