

**Senior Software Engineer**  
*Full-Time - Seattle, WA*

**Company Overview**

Chiplytics is a Seattle-based company enabling secure access to mission-critical electronic components through a scalable testing platform and an integrated network of supply chain partners. Mature nodes power nearly every electrical system, yet dependence on overseas manufacturing and complex distribution channels introduce significant risk to critical supply chains and even national security. The Chiplytics Certified Authentic program mitigates these risks by delivering secure sourcing, procurement, and testing for high-reliability electronics.

**Job Description**

We are looking for a full-time Senior Software Engineer to lead Chiplytics' software development hands-on while laying the foundation for a growing engineering team. You will design, build, and release production software that integrates desktop applications, connected hardware, and cloud services. In the short term, you will be deeply involved in building and maintaining the core Chiplytics platform—developing Python-based applications, managing Firebase backends, and designing web interfaces. Over time, you will help define system architecture, establish software best practices, and recruit and mentor a team of engineers to scale the platform. This role is based full-time in Seattle.

**Responsibilities**

1. Lead software development hands-on, including coding, reviewing, testing, and releasing production-quality software.
2. Architect and implement robust, scalable systems that integrate hardware control, data collection, and cloud services.
3. Develop and maintain Python-based desktop applications, including packaging, deployment, and version management.
4. Build and support full-stack solutions: Firebase backend services, web interfaces (HTML/JavaScript), and API integrations.
5. Work with connected hardware and robotics systems; develop drivers, protocols, and software-hardware integration layers.
6. Contribute to embedded firmware projects (a plus), collaborating closely with hardware and firmware engineers.
7. Establish software engineering processes: version control, CI/CD pipelines, unit testing, integration testing, and release cycles.
8. Collaborate cross-functionally with testing, hardware, and product teams to ensure seamless integration of lab operations and software.
9. Lead code reviews, enforce software quality standards, and introduce tools and frameworks that improve efficiency.

10. Mentor junior engineers and help recruit future software team members as the company grows.
11. Take ownership of software architecture and long-term technology roadmap decisions.
12. Contribute ideas for product features and enhancements to strengthen Chiplytics' testing platform.
13. Respond to customer or internal needs with timely software updates and bug fixes.

## Requirements

- 10+ years of software engineering experience, with demonstrated leadership in technical and architectural decisions.
- Strong experience with Python, including developing, packaging, and releasing desktop applications.
- Hands-on expertise with hardware/software integration, robotics, or connected devices.
- Full-stack development skills: Firebase backend, RESTful APIs, and web front-end (HTML/JavaScript).
- Solid understanding of system architecture, data modeling, and distributed systems.
- Experience with CI/CD, automated testing, and scalable software practices.
- Embedded firmware development experience is a plus.
- Excellent leadership, problem-solving, and teamwork skills; ability to mentor others.
- Strong communication skills and ability to work cross-functionally with hardware, testing, and product teams.
- Excitement about building software in a fast-paced startup environment.
- Based in Seattle, WA (full-time onsite).
- U.S. Citizen (eligibility for U.S. Government security clearance is a plus).

## Requirements

Send an email to [join@chiplytics.io](mailto:join@chiplytics.io) with your resume and a short paragraph about yourself and why you're interested in applying.