Jesse Piccione
Software Engineer
Seeking a Full-Time Career in Software Engineering.
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Summary

Motivated and detail-oriented Software Engineer with hands-on experience in full-stack technologies, software design, and project management. Proven track record of applying problem solving skills to deliver high quality software solutions. Eager to contribute to a dynamic team while growing professionally.

Certifications

- **Meta Professional Front-End Developer -** Meta, Remote (**Completed Jan 2025**)
- **Meta Professional Back-End Developer -** Meta, Remote (**Completed Apr 2024**)

Education

- **Bachelor of Science in Computer Science -** Oregon State University, Corvallis, OR (**Graduated Dec 2023**)
- **Associate of Science in Computer Science -** Ocean County College, Toms River, NJ (**Graduated May 2020**)

Skills

- **Programming Languages:** JavaScript, Python, Java, C, C++, Raku, Rust, Ruby, R, Racket, Assembly
- **Frameworks & Libraries:** Next.js, React.js, Bootstrap.js, Node.js, Django, OpenAI API, Spring Boot, Hibernate, Spring, Flutter, Maven, Express.js
- **Web Technologies:** HTML5, Advanced CSS, SASS, SCSS, Figma, Postman, Insomnia
- **Database Technologies:** SQL, NoSQL, MySQL, Microsoft SQL, PostgreSQL, Datastore, GraphQL, AWS DynamoDB
- **Back-End Development:** REST, Serialization, Normalization, Containers, N-Tier, Tokens, Authentication, Serverless Architecture
- **Front-End Development:** Planning, Wireframing, Prototyping, Heuristics, Design Patterns, Style Guides, and Typography, UI/UX Optimization
- **Development Operations:** Docker, AWS, Azure, GCP, Google Cloud Build, Google Cloud Run, Scaling, Load Balancing, CI/CD, Cloud DNS, Firewall Configuration, Cost Optimization

Experience

Cyberus AI Agent – Toms River, NJ (Apr 2025 – Present)

- Spearheaded the Cyberus AI agent to autonomously analyze user resumes and submit 3,000+ tailored applications per user each month, achieving a 30× throughput increase over manual processes.
- Architected a secure, modular microservices ecosystem with a real-time dashboard and feedback loop, enabling custom search preferences, application tracking, and high-volume performance at scale.

Social Media Saver AI Agent – Toms River, NJ (Mar 2025 – Present)

- Developed platform-specific, high-engagement social media content via real-time trend analysis, boosting brand visibility across LinkedIn, Instagram, and X.
- Strategically optimized posts with emojis, hashtags, and tone adaptation, increasing average reach by 200% and engagement rates by 150%.

Piccione.dev V3 – Toms River, NJ (Jan 2025 – Mar 2025)

- Migrated a custom frontend from an Express/React/Bootstrap hybrid to Next.js, cutting dependency overhead by 60% and streamlining build workflows.
- Rebuilt the jessepiccione.info frontend from the ground up, delivering a sleek, maintainable website optimized for performance and developer efficiency.

JessePiccione.info V2 – Toms River, NJ (Apr 2024 – Dec 2024)

- Designed a 4-tier architecture with a custom Express server for SSR and secure WebSocket proxying, keeping secret credentials server-side.
- Slashed infrastructure costs by 99% through a GitHub-to-Google Cloud CI/CD pipeline, eliminating traditional compute engines.

Website Manager – BGM Construction, Brick, NJ (Mar 2024 – Apr 2024)

- Engineered and launched a responsive SPA with Django, Gunicorn, Bootstrap, and SQLite, doubling online visibility and driving a 50% surge in inquiries within three months.

JessePiccione.info V1 – Toms River, NJ (Jan 2024 – Mar 2024)

- Deployed a scalable three-tier Django application featuring dynamic personal resume data and an integrated OpenAI assistant, handling 500+ monthly inquiries.
- Leveraged Google Cloud Compute Engine with load balancing and managed instance groups to achieve 99.9% uptime and support 10,000+ concurrent sessions.

IT Agreements Coordinator – Line5, Remote (Mar 2023 – Sep 2023)

- Streamlined dealer account setup, boosting monthly deal volume from 500 to 1,200 and accelerating departmental productivity.
- Implemented a robust e-signature system, improving UX by 45% and ensuring 100% loan process functionality across dealer products.

Software Engineer Intern – Spencer Gifts | Spirit Halloween, Egg Harbor, NJ (Sep 2023 – Dec 2023)

- Engineered a Sitecore Analyzer web app parsing 10,000+ entries daily for real-time reporting, built with Java, Spring Boot, Maven, and SQL Server—enhancing processing efficiency by 35%.
- Streamlined e-commerce operations with a Maven Spring Boot service framework, boosting team productivity by 20% and reducing operational costs by 15%.

Store Systems Support Associate – Spencer Gifts | Spirit Halloween, Egg Harbor, NJ (Jul 2024 – Jan 2025)
- Provided technical support during the 2024 season, resolving 2,400+ IT issues (POS, network, hardware) via phone and diagnostics, cutting downtime by 35% and driving a $70 M revenue uplift.

Chirp (Bird App) – Oregon State University (Sep 2022 – Aug 2023)
- Led development of a cross-platform Flutter app with ML-driven bird song identification, achieving 90% accuracy and boosting user engagement.
- Coordinated a 5-member Agile team, conducting weekly stakeholder meetings to align feature development and iterative improvements.

Art App – Oregon State University (Jan 2023 – Mar 2023)
- Built a RESTful API with Auth0 integration, reducing onboarding time by 20% and enforcing JWT-based authentication to cut unauthorized access by 50%.
- Deployed on Google App Engine with Datastore backend, achieving 99.9% uptime and a 25% improvement in responsiveness.

Police Crime Application – Oregon State University (Jan 2021 – Mar 2021)
- Developed an Express.js/Handlebars/MySQL crime-tracking app with full CRUD and server-side rendering, improving data management efficiency by 30% and access speed by 20%.

Dog App – Oregon State University (Mar 2021 – Jun 2021)
- Created a microservice scraping 5,000+ images daily from Wikipedia, enhancing inter-team data integration speed by 40% and project delivery timelines.

APCSHelp.com – Oregon State University (Sep 2020 – Dec 2020)
- Designed and deployed an Express.js educational platform for AP Computer Science A prep, increasing user engagement by 35% and exam readiness confidence by 25%.

Calculator Java Application – Ocean County College (Sep 2018 – Dec 2018)
- Developed a Spring-based calculator replicating iOS functionality on Windows, delivering native-level accuracy and user-friendly design.

Sense of Serenity – iCIMS Halloween Hackathon (Oct 2018)
- Collaborated on a wellness app within a 24-hour hackathon, achieving a 40% reported reduction in user stress and anxiety through curated techniques.

Shopping Simulator – PALS, Point Pleasant HS (Sep 2017 – May 2018)
- Co-designed a scaled grocery store environment for special-needs students, winning the 2018 STEAM Tank Regional award for innovation and community impact.