

Paul Andrew Pladziewicz II

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Summary

Software Engineer with 7+ years of experience designing, developing, and deploying web applications, backed by strong domain expertise in financial services and healthcare. I have delivered robust user interfaces using React and Angular, built backend services with Java and Node.js, and leveraged cloud platforms like AWS to deploy reliable, scalable infrastructure.

Key Achievements

- Key contributor implementing and supporting the rollout of a new Multi-factor Login Journey that lead to \$7+ million dollars in fraud savings per year
- Designed & implemented a new authentication journey to verify a user's identity prior to completing a high-risk activity (midsession MFA) to address previous fraud patterns
- On-boarded 2 external teams to support the integration following Morgan Stanley's acquisition of E*TRADE
- Lead the web practice, delivered 75+ technical interviews, and 9 technical presentations at InRhythm

Experience

Lead Software Engineer, InRhythm, consulting at E*TRADE/Morgan Stanley – Jan 2025 – Present
New York, NY

- Designed and developed midsession MFA (high-risk activity verification flow for logged-in users) and delivered to other teams as an independent, reusable web component (TypeScript, React, Webpack)
- Contributed to building a new authentication service for midsession MFA (Java, ForgeRock Access Management)

Senior Software Engineer, InRhythm, consulting at E*TRADE/Morgan Stanley – Jan 2023 – Dec 2024
New York, NY

- Continued to develop firm-wide authentication features, which included custom ForgeRock Access Management UI implementations (TypeScript, React, Webpack)
- Worked with an internal Java framework to improve login requirements based on the existing architecture
- Leveraged Kafka to trigger RSA events based on specific user actions during login, significantly enhancing the organization's ability to detect and mitigate suspicious activity and fraud
- Leveraged RabbitMQ for inter-service communication when users updated credentials, added authenticators, or modified security settings, ensuring the system remained consistently synchronized
- Supported previous login flows built with Angular
- Supported the platform-wide rollout of a new multi-factor authentication login flow
- Continued to support InRhythm's growth through mentoring, conducting technical interviews (JavaScript, TypeScript, React, Java, Spring Framework, System Design), and delivering technical presentations (Next.js, GraphQL, Tailwind CSS, CSS Modules, TanStack Query, Burp Suite Proxy Servers, AWS CDK)

Software Engineer, InRhythm, consulting at E*TRADE/Morgan Stanley – New York, NY Oct 2021 – Dec 2022

- Developed frontend features related to login, two-factor authentication, user settings, stop pages after login, and single sign-on, which addressed new business requirements and led to an improved user experience (JavaScript, React, Mobx, Webpack)
- Received the InRhythm Champion Award based on my contributions and performance

Associate Software Engineer, Kyros Digital – Grand Rapids, MI Feb 2021 – Sep 2021

- Developed features for a custom ERP application used by realtors (HTML, CSS, JavaScript, React, Node.js, Meteor.js, MongoDB, AWS EC2)
- Helped Gordon Food Service with their Drupal-based marketing platform: added functionality to post new types

of marketing content, resolved bugs, and upgraded Drupal 8 to Drupal 9 (HTML, CSS, JavaScript, PHP, MySQL)

- Delivered impactful technical presentations on Tailwind CSS and ESLint, which were adopted at Kyros Digital and significantly improved code quality

Web Developer - Internship, Lucas Howard Group – Grand Rapids, MI Dec 2020 – May 2021

- Revamped the web presence for the "Top Realtor in Grand Rapids," significantly boosting their online visibility and client engagement
- Utilized Adobe XD to conceptualize and create a modern, user-friendly website design
- Translated the design into a live website by developing a custom-built WordPress theme (HTML, CSS, JavaScript, PHP, MySQL)

Software Engineer - Freelance, Trinity Fellowship Evangelical Free Church, Dr. Paul The Dentist, Jawor Machine Co. – Fremont, MI Jun 2018 – Dec 2020

- Built a web application to display missionaries on a map, which was consumed via touch-enabled kiosks; the ability to add and update missionaries was also provided via a protected admin dashboard using serverless technologies (HTML, CSS, JavaScript, OpenLayers, React, Redux, Webpack, AWS S3, AWS Cloudfront, AWS API Gateway, AWS Lambda, AWS DynamoDB)
- Built an interactive widget to display events via Church Community Builder API (HTML, CSS, JavaScript, React, Webpack)
- Built an emulated chatbot to answer common questions and direct the user to common pages (HTML, CSS, JavaScript, React, Webpack)
- Developed landing pages (HTML, CSS, Bootstrap, Tailwind CSS, JavaScript) for a dentist and a tool & die shop, which I also deployed with AWS (AWS S3, AWS Cloudfront, AWS SES, AWS API Gateway, and AWS Lambda)

Core Skills

- **Frontend:** HTML, CSS, JavaScript, TypeScript, React, Next.js, Angular, Web Components, Webpack
- **Backend:** Java, Spring Framework (Spring Boot, Spring Security, Spring MVC, Spring Data, Spring Cloud), RabbitMQ, Kafka, ForgeRock Access Management (now PingAM), Node.js, Express.js
- **Database:** SQL, Oracle, MySQL, MongoDB, Redis
- **DevOps:** Linux, Bash, Git, Nginx, Docker, Kubernetes, AWS, Github Actions

Education

- **Master of Business Administration** Sep 2015 - May 2017
Cornerstone University, Grand Rapids, MI
- **Bachelor of Science, Fire Science** Sep 2009 - May 2013
Lake Superior State University, Sault Sainte Marie, MI
- **Associate of Applied Science, Paramedic Technology** Sep 2009 - May 2013
Lake Superior State University, Sault Sainte Marie, MI

Certifications

- **AWS Certified Developer - Associate** 2021
Amazon Web Services (AWS) - 9L8K78LBCJRQQ9GS