James Martineau

270 Clement Rd. Rollinsford, NH 03869 | (603) 509-8454 | jamesmart77@gmail.com

[LinkedIn Profile](#) | [GitHub](#) | [Personal Portfolio](#)

Summary

Full-Stack Developer & Solutions Engineer with a business-first mindset and a passion for building scalable, cloud-native applications. Known for bridging business and tech, I design secure, modern solutions that simplify architecture and drive strategic impact. I thrive on solving complex problems, mentoring teams, and delivering clean, scalable systems that are fit for purpose.

Skills

Languages & Frameworks: JavaScript, TypeScript, Node.js, React, Next.js, Vite, React-Query, Redux, Spring, GraphQL, REST APIs, Chakra UI

Cloud & DevOps: AWS Services (Amplify, API Gateway, Lambda, S3, CloudFormation, CDK, Cognito, Aurora, SNS, SQS), Docker, GitHub Actions, Bamboo, Datadog, CloudWatch Dashboards, CI/CD practices

Databases: PostgreSQL, MySQL, AWS Aurora Serverless

Auth & Security: OAuth2 (PKCE), OIDC, Passport.js, security-by-design

Testing: Jest, Vitest, Unit & Integration testing, TestCafe, Performance, K6, TDD, Accessibility testing

AI & Platforms: Generative AI, Prompt Engineering, MCPs, Salesforce, Contentstack, BigCommerce

Soft Skills: Strategic thinking, stakeholder alignment, team collaboration, mentorship and leadership, clear communication, problem solving, innovative thinking, level-headed, and adaptability

Experience

IAPP, *Portsmouth, NH*

Solutions Engineer
Dec 2024 – Present

- Designed scalable AWS cloud-native solutions for internal and external platforms, replacing legacy Domain-Driven architecture with reusable patterns aligned to long-term strategy.
- Delivered a 25%+ reduction in AWS costs by decommissioning redundant services, eliminating technical debt, and promoting a culture of sustainable architecture.
- Led organizational initiatives to simplify architecture and improve DevOps workflows by 200%.
- Drove technology adoption across teams by evaluating and introducing modern tools; aligned engineering roadmaps with evolving business needs.
- Unified engineering and business stakeholders through clear solution design processes, influencing product direction and technical strategy with cross-functional buy-in.
- Defined and championed secure coding standards and security-by-design practices, mitigating production risks and raising the bar for application and pipeline security.
- Led knowledge-sharing initiatives to build a strong engineering culture, reducing defects through documented best practices.
- Acted as a force multiplier for the engineering team—mentoring peers, standardizing patterns, and fostering a culture of innovation and technical excellence.
- Collaborated to develop features and identified technical solutions for upcoming roadblocks.

Principal Software Engineer
Aug 2024 – Dec 2024

- Lead strategic development of customer account app positioning business for key growth plans.
- Researched and implemented DevOps practices and streamlined CI/CD pipelines.
- Worked closely with business partners to improve website SEO scores through code enhancements.

Liberty Mutual Insurance, *Portsmouth, NH*

Principal Software Engineer   *July 2021 – Aug 2024*

- Led end-to-end delivery of the enterprise Employee Center application, integrating internal systems and third-party services to mee operational and reliability KPIs.
- Architected cloud-native backend services and microservices to support real-time notifications, vendor integrations, and secure data access—enabling seamless enterprise workflows.
- Championed security and compliance by implementing role-based access and leading threat modeling sessions aligned with the AWS Well-Architected Framework.
- Partnered with product and UX teams to translate business goals into intuitive interfaces.
- Established engineering best practices on squad with through a team-wide "norms" contract, introducing robust testing strategies and continuous monitoring for resilience and uptime.
- Mentored junior engineers and cross-trained non-technical team members, fostering a culture of growth and technical excellence.
- Ensured platform stability by establishing observability, alerting, and performance testing.
- Contributed to architectural strategy and planning by partnering with architects and stakeholders.
- Innovated the creation and design of an accessibility Chrome extension ([View in Chrome web store](#)).

Senior Software Engineer   *April 2020 – July 2021*

- Helped develop and took ownership of Postgres stored procedure data load for enterprise employee performance application supporting 50,000 users.
- Created enterprise application to streamline performance review process for 8,000 managers.
- Constructed notification AWS API Gateway/Lambda microservice integrating with MS exchange.
- Performed database cost-optimization assessment for right-sizing and saved $50,000.
- Invented and maintained automated end-to-end testing suite using TestCafe and Bamboo CI/CD pipelines.
- Developed and designed React component library with team using Styled Components and Storybook.

Software Engineer   *January 2018 – April 2020*

- Contributed to feature development of job posting application for proactive employee notifications.
- Applied unit/integration testing disciplines (Jest/ Enzyme /Junit) for all feature development.
- Conducted Bitbucket code reviews and deployed code through CI/CD pipelines.

IT Project Coordinator / Data Analyst   *January 2015 – January 2018*

- Automate process and initiated personal growth as an aspiring developer in entry-level position.
- Developed a suite of tools using VBA for contractor onboarding and reporting.
- Performed recurring expenditure analysis and automated processes for 4x efficiency gain.

Education

University of New Hampshire, *Durham, NH*
- **Full-stack Coding Boot Camp**   *2017*
- **Bachelor of Science in Business Administration**   *2009-2013*
  - o   Dual concentrations in Information System Management and Management.

Certifications & Awards

- **AWS Certified Cloud Practitioner**
- 2023 Liberty Ignite Hackathon winner using ChatGPT (enterprise-wide event).
- 2x HR department hackathon winner (2021 & 2022).
- 2019 Liberty Mutual Excellence Award for launch of new enterprise HR employee performance application.

Scan to view my portfolio, GitHub, and LinkedIn