

# Eric Butera

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## Summary

Technology leader with experience in full-stack development, architectural design, and data pipelines. I drive innovation, precision, and efficiency with a focus on lifelong learning.

## Skills

Architecture, full-stack development, data pipelines, mentor, security, observability, devops, agile

## Technology

Golang, Python, JavaScript, C#, Ruby, SQL, Kubernetes, Terraform, React, AWS, GCP, Azure

## Senior Software Engineer II - Censys (May 2022 -September 2024)

- Created the Borealis microservice which implemented advanced technologies like gRPC, Spanner, and OpenTelemetry, increasing data processing capacity from 7,000 records per day to 10 million per hour.
- Spearheaded an initiative to scale the Cloud Connector product, resulting in a remarkable 10x increase in scan rate and conducted bottleneck identification and efficiency validation through prototype testing before implementation.
- Conceptualized and led the development of the Rapid Integrations Platform, resulting in a significant reduction of data source integration time from 1 per year to multiple per quarter.
- Developed an extensive integration standardization template encompassing playbooks and a comprehensive range of documentation categories, streamlining processes and fostering efficiency and knowledge sharing across the organization.
- Successfully launched ServiceNow, the first integration using the Rapid Integrations Platform, completing the project two months ahead of schedule and effectively mitigating a significant deal risk.
- Led the successful integration of AWS support into the Cloud Connector Unified product, enhancing onboarding with guided provider setup, streamlined deployment via Terraform, and wrote comprehensive public-facing documentation.

## Software Engineer - Kenna Security / Cisco, Inc. (April 2021 – May 2022)

- Engineered the InsightVM data pipeline, conducted comprehensive research into vendor API intricacies, encompassing authentication, authorization, data format, rate limits, and failure types, and methodically documented critical decisions.
- Collaborated closely with my product manager and Rapid7 to ensure the successful delivery of the integration.
- Played a pivotal role in mentoring and guiding new team members, facilitating effective knowledge sharing within the team and fostering a collaborative learning environment.
- Led the Loader Service project, successfully decoupling a substantial portion of existing infrastructure, providing clarity and instilling confidence in the process of adding new capabilities, significantly enhancing operational flexibility and system scalability.
- Responsible for hands-on development and ongoing maintenance of enterprise-level data pipelines, leveraging expertise in integrating data sources from Crowdstrike, Tenable.IO, Qualys, and Microsoft Defender.

## Software Architect - Northpointe, Inc. (April 2013 – April 2016 / June 2019 – April 2021)

- Conducted comprehensive technical analysis on various initiatives, encompassing requirements assessment, architectural planning, and prioritization of deliverables.
- Collaborated closely with the Product Manager to align short-term and long-term goals, offering multiple options and successfully delivering software on time while achieving a significantly higher quality standard, quantified by a substantial 70% reduction in defects.

- Spearheaded the complete rewrite of the assessment questionnaire user interface as part of the COMPAS-R initiative, rapidly developed new assessments while ensuring backward compatibility.
- Achieved significant reductions in code complexity, resulting in fewer bugs, improved ease of use, and clearly defined boundaries between components.
- Successfully delivered the Case Management initiative for the State of Wisconsin Department of Corrections, resulting in optimized case tracking and management processes.
- Designed and implemented a groundbreaking framework that achieved an impressive 80% reduction in code per feature, significantly streamlining development efforts and enhancing system maintainability.
- Actively mentored and coached team members through pair programming and code reviews, cultivating a collaborative and skill-sharing environment.

#### **Software Engineer II** - Salamander Technologies, Inc. (August 2018 – June 2019)

- Led the development of a cutting-edge inventory mapping feature leveraging ArcGIS technology, achieving seamless two-way data synchronization, implemented a visual user interface, and facilitated location-based data management, enhancing the overall functionality and user experience.
- Designed and developed a user-friendly data grid component, complete with an intuitive search feature. This innovation eliminated the need for cumbersome search queries, significantly improving user experience.
- Resolved multiple security vulnerabilities within the server infrastructure and codebase.

#### **Lead Software Engineer** - Byte Productions, LLC (April 2003 – April 2013 / January 2017 – August 2018)

- Produced tailored e-commerce solutions with intricate business logic, encompassing live shipping rates, shipping logistics, real-time inventory tracking, and seamless integration of multiple payment systems.
- Developed a versatile Content Management System (CMS) platform, incorporating visual editing, Role-Based Access Controls (RBAC), version history, print-friendly pages, shared code, plugin architecture, custom layouts, and support for custom page types, providing a flexible and tailored content management solution.
- Engineered a scalable, fault-tolerant email delivery platform with advanced analytics, robust subscription management, visual editing, change history with restore, granular user permissions, and flexible delivery scheduling, adhering to compliance by handling unsubscribing and adhering to rate limits.
- Implemented a rigorous testing approach, including integration, functional, and unit testing, utilizing multiple systems including Nightwatch, Selenium, Codeception, PHPUnit, and Python's unittest.
- Protected clients by implementing security best practices outlined by OWASP, closely monitored emerging exploits, including XSS, SQL injection, header injection, and automated attack prevention.

#### **Certifications**

Cisco Certified Interviewer, ScrumAlliance Certified Scrum Master, Microsoft Specialist: Programming in HTML5 with JavaScript and CSS3, Microsoft Certified Professional