

# Kevin SECRETIST

## Senior Software Developer



[in linkedin.com/in/kevin-secretist](https://www.linkedin.com/in/kevin-secretist)

[github.com/kevin-secretist](https://github.com/kevin-secretist)

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Full CV available at [seclist.dev/about/cv](https://seclist.dev/about/cv)

Senior Software Developer with 10+ years experience utilizing serverless technologies, continuous integration/continuous deployment, and DevOps to deliver multi-tenant cloud applications with a focus on stability and maintainability. Significant backend experience with Node.js and .NET Core with complementary frontend experience leveraging ReactJS to deliver both full-stack and server-side applications. Extensive expertise with studying new technologies, design, monitoring, asynchronous design patterns, identity and access management, and unit testing to create effective and extensible systems from top-level design and requirements down to class and code architecture.

### COMPETENCIES

Languages	JavaScript, C#, PowerShell, Bash, Ruby, HTML/CSS
Frameworks	Node.js, .NET Core, .NET Framework, NUnit, Moq, React, Redux, Jest
Platforms	AWS, Lambda, ECS, Step Functions, Docker, AWS, Azure, Azure App Services, Azure Functions
Data Stores	Dynamo DB, MongoDB, Cosmos DB, SQL Server, MySQL, Elasticsearch
CI/CD Tools	GitHub Actions, Terraform, Jenkins, TeamCity, Jira, Azure CLI, AWS CLI
Dev Tools	VS Code, Visual Studio, HTTPie, Git
Monitoring	Datadog, CloudWatch, Kibana, New Relic, Azure Application Insights, Sentry, PagerDuty

### PROFESSIONAL EXPERIENCE

Current December 2020	<b>Software Developer III, RACKSPACE TECHNOLOGY   MANAGED PUBLIC CLOUD - AWS</b> <ul style="list-style-type: none"><li>Transitioned to a new team supporting thousands of AWS, Azure, and GCP accounts for RXT customers. The AWS section of the business is \$1B in revenue each year alone.</li><li>Started working with a new tech stack: Node.js, React, Terraform, and several AWS services, with a micro-service micro-ui architecture spread across several different teams.</li><li>Completed A Cloud Guru course for AWS Certified Developer Associate.</li><li>Designed feedback loop for a Step Function to subscribe asynchronously to an event from Kinesis.</li><li>Designed and implemented several new Racker and Customer experiences including both UI and API.</li><li>Assumed technical leadership role for guiding the Azure and GCP teams. Remained flexible enough to work on their projects with widespread domain knowledge.</li><li>Responsible for the health and uptime of several tier-one business critical applications which our customers use for their day-to-day business.</li><li>Consistently worked to automate manual tasks and increase productivity across the organization, eliminating some tasks entirely or allowing downstream teams to self service.</li><li>Architected and implemented an extensible cross-team multi-account Security Hub and GuardDuty solution for detecting and alerting on security issues within the organization across all AWS regions. Included documentation and reusable terraform modules for other teams to be included without knowing all the details of Security Hub.</li><li>Optimized docker builds to reduce build times by half for new projects using layer caching and ordering, decreasing developer feedback time significantly.</li></ul> <p>Node.js AWS Lambda ECS Terraform Docker DevOps</p>
November 2020 June 2019	<b>Software Developer III, RACKSPACE TECHNOLOGY   RACKSPACE SOLUTION SERVICES</b> <ul style="list-style-type: none"><li>Responsible for refining product requirements, delivering on the execution and deployment of solutions, software development life cycle, and architecture of stack for a 10+ person development team.</li><li>Key developer of a growing Office 365 business since its beginning in 2014, generating over \$4M recurring monthly revenue in 2019.</li><li>Interviewed and on-boarded several new developers as part of initiative to more than double current team size. Included domain knowledge training, pair programming, and business analysis.</li><li>Designed a distributed authorization model that encompasses Office 365 built-in roles, Rackspace customer authorization, and custom business rules. This model is secure, scalable, and highly flexible allowing client-side to have incredibly fine-grained knowledge of the capabilities of the logged in user as well as server-side being able to quickly validate the user's claims.</li></ul> <p>C# Azure Functions v3 Durable Functions OAuth</p>

May 2019 | Software Developer II, RACKSPACE | RACKSPACE OFFICE 365  
 May 2015

- On-boarded developers from other teams to bootstrap a new team to work on Office 365 and taught domain-specific knowledge to kick-start development.
- Began work on a new Office 365 Control Panel in Azure App Services using React, ASP.NET Core, and Azure Functions allowing developers to focus more on business logic than infrastructure.
- Started a proof of concept leveraging Elasticsearch as a write-through cache for slower Microsoft APIs and later implemented it for increased searchability and dramatically better performance from 5+ seconds down to less than 100 milliseconds.
- Created new patterns for encrypting sensitive information within asynchronous workflows to reduce boilerplate code in secure transport of user data.
- Implemented new asynchronous workflow patterns using Durable Functions, enabling highly complex workflows with high resiliency and scalability. These workflows are used to provision several thousand licenses per month.

C# ASP.NET Core React Elasticsearch Azure Functions v1 Durable Functions

April 2015 | Software Developer I, RACKSPACE | MICROSOFT SERVICES  
 July 2013

- Worked on provisioning mailboxes in a growing 300,000+ seat multi-tenant Microsoft Exchange environment and upgraded existing systems to sell new Office product suites and newer Exchange versions.
- Quickly learned broad knowledge of .NET, company software, and architecture.
- Researched and utilized domain-specific knowledge to design provisioning of new products.

C# PowerShell Git Ruby Chef ELK MongoDB

## EDUCATION

Spring 2013 | Bachelor of Science, Computer Science, UNIVERSITY OF VIRGINIA  
 Fall 2009 | School of Engineering and Applied Science  
 Overall GPA 3.63, CS GPA 3.92 | Dean's List 5 Semesters

## PROJECTS

**CHESTERFIELD COUNTY ACTIVE CALL MONITOR** 2019 - CURRENT

 [github.com/kevin-secrist/cfactivecallmonitor](https://github.com/kevin-secrist/cfactivecallmonitor)

AWS Lambda service written in Go (my first experience with golang) which periodically checks for active dispatch calls for Police/Fire events near me. Sends alerts via SMS based on location of dispatch. Designed for low maintenance and low cost - an excellent use case for FaaS. Includes a ci/cd pipeline, unit tests, and infrastructure as code. Replatformed from C#/Azure to Go/AWS in 2022.

Lambda DynamoDB Twilio Go GitHub Actions Terraform

**THIS DOCUMENT** 2020 - CURRENT

 [secrist.dev/about/resume](https://secrist.dev/about/resume)  [github.com/kevin-secrist/resume](https://github.com/kevin-secrist/resume)

Source controlled open-source resume. Link on website automatically references latest release from GitHub.

LaTeX Docker

## STRENGTHS

- *Learning* – existing systems, domain-specific knowledge, new technologies and patterns, able to research extensively and share knowledge with the team
- *Responsibility* – project delivery, code review, thorough testing, cross-team communication
- *Technical leadership* – architecture and project design, cross-team influence, knowledge sharing
- *Operational excellence* – vigilance with customer issues, performance problems, and uptime
- *Stack ownership* – long term vision, disciplined maintenance, and incremental improvements
- *Pragmatism* – making trade-offs when necessary and making plans to improve whenever possible

## ABOUT ME

 CLIFTONSTRENGTHS TOP 5 PERSONAL STRENGTHS

Learning, consistency, responsibility, adaptability, deliberative Learning everything about how systems work, troubleshooting/debugging, pragmatism, problem solving/critical thinking, algorithms, domain knowledge

FAVORITE EDITORS

Visual Studio Code, Sublime Text 3, Visual Studio

INTERESTED IN LEARNING/USING

Kubernetes, Rust, ML.NET, .NET on Linux, GraphQL, functional programming

PROGRAMMING TOPICS INTERESTED IN

Security, performance, efficiency, developer experience