

Chris Casad

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Senior Full Stack Developer with 20+ years of experience delivering scalable, user-centered web applications across government and commercial sectors. Recognized for strong problem-solving, clear communication, and collaborative, team-first mindset. Skilled in modern web technologies, with a focus on legacy system modernization, geospatial development, and full SDLC execution within Agile/Scrum environments. US Citizen; eligible for clearance.

Experience

SEERIST, INC (formerly Geospark Analytics, Inc), Remote

Jul 2017 to Jul 2025

Senior Developer

- **Supported the ongoing modernization effort**, including the early-phase migration from Vue 2.x to Vue 3.x and a backend transition from AWS Lambda to a scalable API stack using Node.js, TypeScript, AdonisJS, EC2, OpenSearch, and PostgreSQL — improving performance, observability, and developer efficiency.
- **Played a key role in earlier front-end migration** from AngularJS 1.x to Vue 2.x, working within a hybrid architecture while maintaining the existing Node.js, JavaScript backend using API Gateway, Lambda, and Elasticsearch.
- **Led MapboxGLJS integration** to provide interactive, dynamic geospatial visualization capabilities, enabling users to visualize risk and threat data in real time with enhanced filtering and layer control.
- **Spearheaded the integration of Apache EChartsJS** to deliver advanced, interactive charts and dashboards; implemented reusable chart components for visualizing trends, statistical insights, and threat assessments.
- **Built a PDF reporting engine** using Node.js, Puppeteer, and Handlebars within AWS Lambda functions; generated visually-rich, highly customized reports tailored to client branding and data needs.
- **Created a geospatial asset validation tool** allowing clients to verify and clean location-based data prior to upload, significantly reducing ingest errors and increasing data accuracy.
- **Co-developed an internal Admin platform** for managing users (Auth0) and their permissions, accessing saved searches, and monitoring user alerts — improving operational support and client troubleshooting workflows.
- **Migrated legacy Lambda infrastructure** from the Serverless framework to CloudFormation templates, enabling consistent deployment practices, improved version control, and tighter integration with broader Infrastructure as Code strategies.

OGSYSTEMS, Chantilly, Virginia

May 2017 to Jul 2017

Senior Software Engineer

- **Joined OGSsystems to transition** their BlueGlass product branding into the new company, Geospark Analytics (later Seerist).

XPAND CORPORATION, Reston, Virginia

Nov 2011 to Apr 2017

Architect/Lead Developer

- **Designed and built** DirectSource for job center counselors using AngularJS, PHP, Slim, MySQL, Solr, REST.
- **Lead developer of vcn.org**, a Drupal-based career planning platform using PHP, MySQL, Google Maps API and custom CRM tools.

- **Created a custom CRM application** to allow users to interact with the VCN support team using ASP.NET, C#, MS SQL Server.

SATELLITE TRACKING OF PEOPLE LLC, Reston, Virginia

Mar 2005 to Nov 2011

Lead Developer

- **Lead developer of the flagship project** which allows clients to track the location and activities of parolees using Visual Studio, ASP.NET, VB.NET, MySQL, Oracle, PL/SQL, Google Maps API, JavaScript.

GENEX SYSTEMS, Remote

May 2002 to Mar 2005

Senior Consultant

- **Developed GIS applications** for NASA Langley Research Center using ESRI products, PHP, and Oracle to model facility disaster impact zones.

SUMMITQUEST, Remote

Feb 2001 to May 2002

Senior Software Engineer

- **Built a ground transportation system** for a Fortune 50 client using Classic ASP, Sybase, and JavaScript.

CACI, Chantilly, Virginia

Feb 2000 to Feb 2001

Web Developer Lead

- **Led a team creating** contract and work order systems for Morgan Stanley using Classic ASP and Sybase.

ESRI, INC., Vienna, Virginia

Aug 1998 to Feb 2000

Applications Developer

- **Built award-winning** job search and childcare locator mapping application for Delaware Dept. of Labor using MapObjects, Javascript and Classic ASP.
- **Created a customized GIS application** in ArcView/Avenue to determine European oil pipeline cost effectiveness for Federal Agency.

Technical Skills

Languages: JavaScript, TypeScript, HTML, CSS, LESS/SASS, SQL, PL/SQL, JSON, XML, VB.NET, C#, PHP, Shell Scripting

Frameworks/Tools: Vue 2/3, Nuxt, Node.js, Express, AdonisJS, AngularJS 1.x, Tailwind, Bootstrap, Vuetify, Vite, eChartsJS, Puppeteer, Handlebars, REST, Matomo Analytics, WordPress, Drupal

Databases: PostgreSQL, MySQL, MS SQL Server, Oracle

DevOps: Git, GitHub, Bitbucket, Docker, Bamboo CI/CD, Nexus, CloudFormation, Serverless Framework, LaunchDarkly, Auth0

Cloud/Infra: AWS (Lambda, S3, API Gateway, EC2, OpenSearch, DynamoDB, IAM, Secrets Manager)

GIS/Mapping: MapboxGLJS, MaplibreGL, Google Maps API, ESRI

Other Tools: VS Code, GitHub Copilot, Postman, pgAdmin, Toad, JIRA, Confluence

Education

Bachelor of Science, Mechanical Engineering, Old Dominion University