Kevin Santana

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 5+ years of experience ranging from designing, developing, deploying, maintaining and securing cloud based web applications.

WORK EXPERIENCE

Software Engineer - Ocean Sciences, Clouddrift, University of Miami,   Jan 2024 – Present
- Improved library robustness by enhancing library test suite, including tests for example code in our documentation and including static analysis tools like Mypy type checking and ruff formatting and linting.
- Implemented data adapters generating cloud optimized datasets leading to improved efficiency in analysis and processing.
- Developed data visualizations, example jupyter notebooks and engaged the science community to solicit interest and gauge project opportunities presenting a poster at Scipy 2024.

Software Engineer, Whole Foods Market,   Dec 2023 – Present
- Migrated and improved application synchronizing WFM ticketing system and Amazon internal ticketing system. Solution delivered on time with improved security and operational readiness.
- Implemented a parity comparator service to evaluate new and legacy purchase order invoicing systems, delivering the project on a tight deadline with minimal ramp-up time.
- Standardized application monitoring and DNS configuration for standard multi-stage applications in IaC (CDK) package leveraged by other teams and projects.
- Assisted WFM IAM team, enabling and managing SSO integrations with Microsoft/AD SSO for enterprise applications using SAML or OIDC authN/authZ protocol.

Software Development Engineer II, Amazon Web Services,   Mar 2022 – Sep 2023
- Designed a billing content validation system enabling customers to self service their own validation workflows.
- Decoupled legacy content validation service, so it can be leveraged by two separate systems while users and features are migrated to the new architecture/system.
- Researched and implemented validation workflow performed manually across 4 accounting teams enabling 100+ hours of validation to be added to regression suites per tax entity launch.
- Developed Apache Spark batch processing job to generate content validation usage metrics to help determine migration/decoupling strategies.

Software Engineer, Beep Inc,   Jun 2021 – Mar 2022
- Designed and implemented a RESTful API providing vehicle telemetry and metadata for mobile and web applications supporting traffic across the United States.
- Implemented concurrent Kafka producer posting real-time vehicle telemetry for different vehicle vendors.
- Enabled SSO via Microsoft IdP for web dashboard utilizing OIDC hybrid flow as authN/authZ protocol.

Software Engineer, Dynamic Animation Systems,   Mar 2019 – May 2021
- Architected and implemented a code generation tool generating model code for several military simulation systems.

SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL
Frontend: HTML, CSS, React, Redux, Webpack, Babel
Backend: Amazon Web Services (IAM, DynamoDB, ECS/Fargate, Lambda, S3, SQS, SNS, Cloudwatch, Cloudformation, CDK), Azure, PostgreSQL, Kafka, Docker, Windows, Linux, Git, jFrog, Jenkins, Pipelines (Amazon internal), Next.js, FastAPI, Flask

EDUCATION

B.S Computer Science, University of Central Florida,   Jan 2016 – May 2019