Germán Aguilera

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Summary

Enthusiastic software developer with a can-do attitude who's passionate about building world-class software that improves the life of those around me; obsessed with writing clean, testable and maintainable code and always thriving on learning the industry best practices.

Professional Summary

Git and Git Workflows, Agile Methodologies, Relational and Non-relational databases, ORMs and Backend Frameworks, React and React-based tools (i.e. NextJS, React Native), AWS Services, CI/CD Systems, Unix/Linux Administration, TDD and BDD approaches, SOLID Design Principles

Skills

- **Languages**: Python, JavaScript/TypeScript, Golang, C# (.NET Core), C/C++, SQL.
- **Web Technologies**: React, NextJS, Rest, GraphQL, Web Sockets, HTML5, CSS3, Sass.
- **API Frameworks**: ASP.NET Core, Django, Flask, Express.
- **Databases**: PostgreSQL, MSSQL, MySQL, MongoDB, Redis.
- **Application Servers (Reverse-proxy)**: Nginx.
- **Cloud**: AWS, DigitalOcean, Heroku, Vercel, Netlify.
- **Operating Systems**: Linux (Ubuntu), MacOS.
- **Project Management**: Jira, Planbox, Github Boards.
- **Version Control**: Git.
- **Version Control (Cloud)**: Github, Gitlab, BitBucket.
- **DevOps**: Jenkins, CircleCI, Docker/Docker Compose, Kubernetes, Helm, Skaffold, Terraform.
- **AWS Services**: EC2, RDS, Lambda, SNS, SES, S3, CodeDeploy, Cognito, Amplify, Route 53, IAM, VPC.

Experience

Senior Software Engineer

Optiva Media, S.L.
05/2023 - Present

- Develop and maintain multiple backend solutions for VOD and Live video streaming.
- Maintain daemon processes using Python for Ad replacement during Live streaming.
- Add patch fixes to internal frontend projects using React
- Work collaboratively with the team using Scrum methodology
- Work in containerized applications with Docker to be deployed in a Kubernetes cluster

Fullstack Software Developer

NativApps Co.
07/2020 - 05/2023

- Developing and maintaining cutting edge products for clients across Colombia and U.S.A.
- Building new user-facing features using React.js and Next.js.
- Maintaining AWS Lambdas written in Python for new features.
- Working with relational (PostgreSQL) and non-relational (AWS Dynamo) database schemas.
- Integrating and maintaining third-party services and libraries for different features.
- Working with team utilizing AGILE process, two-week sprints and daily scrums.

Software Developer

MD Digital Solutions
09/2019 - 05/2020

- Integrate user-facing elements developed by front-end developers with server-side logic.
- Interpret analysis and implement design solutions to meet requirements.
- Contribute software engineering expertise in the development of software modules through the software lifecycle, from requirements definition to successful deployment.
- Collaborate with cross-functional teams.
- Design and develop software modules for the backend infrastructure built on top of ASP.NET Core for enterprise applications.
- Update the continuous integration/deployment scripts as necessary to improve continous integration practices.

Backend Developer

DeuxIT Company S.R.L.
01/2019 - 06/2019

- Containerized .NET Core applications using Docker.Used Kubernetes to orchestrate the deployment, scaling and management of Docker containers.
- Managed Kubernetes Charts using Helm.
- Developed a .NET Core-based micro-services architecture interacting through REST endpoints.
- Implemented unit and integration testing in the backend.
- Implemented TDD (Test-Driven Development) and BDD (Behavior-Driven development) during the whole development process.
- Participated in agile software development.

Software Developer

Ubit Consultants, C.A.
08/2017 - 07/2018

- Developed the backend infrastructure for different software solutions using frameworks such as .NET Core, Django, Flask and Express.
- Implemented unit and integration testing both in the backend and the frontend.
- Built Single Page Applications (SPAs) for multiple web applications using React and Angular.
- Developed software solutions implementing REST and GraphQL APIs in the backend and the frontend.
- Identified risks and implemented viable courses of action.
- Designed and implemented relational databases using PostgreSQL and MSSQL engines.
- Handled and administered NoSQL databases using MongoDB.

Junior Software Developer

Logística Empresarial Group
07/2017 - 09/2017

- Wrote extensible and maintainable code in a team environment.
- Modified existing software to correct errors, upgrade interfaces and improve performance.
- Maintained huge databases and stored procedures.

Education

B.Eng. Computer Engineering

Universidad de Oriente
09/2020

Languages

Spanish (Native), English (Proficient), German (Beginner)