Project Proposal – AWS Cloud Cost Tool

Increasingly, companies are hosting their services in the cloud but especially mid-size and large organizations find it difficult to effectively track and optimize their cloud spending. The people making financial decisions often have difficulties understanding the cloud cost structure or the bigger picture behind the bills and this limits their ability to make informed decisions and reduce costs.

For this reason we developed a Minimum Viable Product (MVP) to easily track and visualize Amazon Web Services (AWS) costs and usage. The MVP is a web application that consists of simple monthly and daily views of data fetched from AWS. The next step would be to add more detailed and customized views for the users and a possibility to create reports based on the data.

This project is especially interesting for people who are interested in data visualization and business intelligence. The end users of the product are usually people that need to be aware of the bigger picture related to their business and they usually make financial decisions. They are for example Chief Digital Officers, Chief Financial Officers or people working in cloud operations.

Technologies

The recommended technology is **TypeScript** (frontend and backend). TypeScript is a widely used and maintainable technology that gives you a good reference for the future. We don't require you to know TypeScript but basic understanding of JavaScript (e.g. React) helps. Currently, Nivo library is used for data visualization.

Requirements for the students

The feature is adjustable, so the difficulty can be scaled even midway during the project. Team language can be either Finnish or English.

Legal Issues

Intellectual Property Rights (IPR): The client gets all IPRs to the results.

Confidentiality: The client will share some confidential information with the students.

Client

Vuono Group is the fastest growing company in the Futurice Family, specializing in digital efficiency and business engineering. We are a software consulting company, and our service offering combines digital automation, architecture, and process design with technical implementation — key capabilities for successful digital transformation with concrete business results.

Our work culture is based on transparency, trust, inclusivity, and friendliness and our no-hierarchy organization of 20 people is a combination of seasoned professionals and young talent. This project is also an opportunity to see what that means in practice.

Client representatives

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For the duration of the project, they have reserved hours weekly just for your needs! If you encounter any problems or needs during the project, they'll be happy to help in any way they can. Vuono Group is a small and agile company, so any challenges are quick to overcome — one way or another!

We are also happy to welcome you to our office space for an occasional workshop, in addition to separate informal kick-off and project completion events!