What benefits/problems come from deploying services in serverless functions?

Benefits:

- **Improve develop efficiency:** Serverless computing does not mean developers work without any server. It instead allows them not to focus on issues related to server-based architectures. Therefore, developers can pay more attention to the logic for processing client requests, which can improve efficiency of software development.
- **Decrease develop cost:** Past IDC and modern cloud architecture, which normally uses a monthly charging mode, can result in the situation that they still charge even if no current users or no applications are deployed. Contrastingly, serverless architecture often uses a Pay-as-you-go mode, which allows developers only pay infrastructure provider for resources they actually used, and not pay for idle capacity. For example, with AWS[1] developers pay only for the individual services, for as long as using periods, and without requiring long-term contracts or complex licensing, which have a potential savings range from 99.8% to 99.95%.
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Problems:

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References

[1] A. Colyer, **Serverless computing: economic and architectural impact** https://blog.acolyer.org/2017/10/19/serverless-computing-economic-and-architectural-impact/ *Date Accessed: 21 February 2019*

[1]https://aws.amazon.com/pricing/