Maksim **Tybar**

CLOUD ARCHiTECT · DEVELOPER
Seattle, WA

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Summary

Technical expert with over 3 years of professional experience in software developing and cloud solutions architecting. AWS Certified Machine Learning Specialist, AWS Sysops Administrator, AWS Solutions Architect Professional skilled in both backend and frontend development, Infrastructure as a code, cloud migration and running generative AI workloads. Interested in devising a better problem-solving method for challenging tasks and learning new technologies and tools. Experienced working with Media & Entertainment and FinServ applications and customers.

Skills & Certifications

Certification	AWS Certified Machine Learning, AWS Certified Solutions Architect Professional
Programming	Java, Python, C++, Node.js, TypeScript, SpringBoot, Junit, Mockito
Back-end	REST API, MySQL, NoSQL, DynamoDB, Aurora, Bedrock, Oracle, S3, Amazon SQS, Apache Kafka, Postman
Front-end	React, HTML5, PHP, JavaScript, JQuery, CSS, Bootstrap, GraphQL
DevOps	Amazon Web Services, AWS CDK, CI/CD, Red Hat Openshift, Docker, Kubernetes, Terraform, Jenkins, Git
Languages	English (Fluent), Russian (Native)

Work Experience

Amazon Web Services   *Seattle, WA*

SOLUTiONS ARCHiTECT | DEVELOPER   *Jul. 2022 - present*

- Ensure success in building and migrating applications, software, and services on the Amazon Web Services Platform.
- Design resilient, distributed and highly available serverless architectures using services such as AWS Lambda, Amazon S3, AWS Step Functions, Amazon DynamoDB, Amazon SQS, Amazon SNS, Amazon Bedrock (GenAI), Amazon EC2 and many more.
- Build, document, test and present prototypes and proof of concepts using TypeScript, Python, React JS, Git, and range of AWS services that are deployed using IaC (Infrastructure as Code) tools such as AWS CDK, Terraform and AWS CloudFormation.
- Act as a technical liaison between customers, service engineering teams and support. Generated over $10 million ARR in 2 years.
- Working with customers, AWS sales, professional services, solution architects and product teams to improve services functionality.
- Assessing customer workloads, qualifying applications that are suitable for migration and developing high level statement of work.

Perficient Inc   *Saint Louis, MO*

SOFTWARE DEVELOPMENT ENGINEER   *Jan. 2022 - Jul. 2022*

- Lead the design and development of multiple enterprise-level microservice applications using Java and Spring Framework (Spring MVC, Spring JPA, RESTful API), Oracle MySQL DB, and Red Hat OpenShift for containerization.
- Design and implemented scalable system APIs responsible for managing over 100 million messages and requests for packaging, notification, and label creation systems for a delivery company.
- Perform unit and integration testing using Junit and Mockito; analyze code for security vulnerabilities and mitigate them using Fortify Scan improving code coverage to over 80%
- Work in Agile environment delivering daily code updates along with quality testing and development teams using Jira, Confluence and Git.

Education

Trine University   *Phoenix, AZ*

M.S. iN iNFORMATiON SCiENCE/STUDiES   *Jun. 2024. - present*

- Advanced Data structures, Distributed Computing, Cloud Computing, Project Management, Data Science & Big Data.

Oklahoma State University   *Stillwater, OK*

B.S. iN COMPUTER SCiENCE - GPA: 3.605/4.0   *Jul. 2017 - Jul. 2021*

- Data structures and algorithms, Computer systems, Differential equations, Linear algebra II, Complexity analysis.

Projects & Achievements

Streamlining Insurance Underwriting with Generative AI   *Seattle, WA*

AWS blog post   *Jun. 2024 - Aug. 2024*

- Detailed blog post on insurance underwriter can utilize AWS service to expedite running their workloads on AWS.
- User could easily deploy the solution and start underwriting process using AWS CDK constructs provided in the post.

Amazon DynamoDB zero-ETL integration with Amazon OpenSearch Service

Seattle, WA

AWS CDK prototype

Sep. 2023 - Dec. 2023

- An AWS CDK prototype showing Amazon DynamoDB zero-ETL integration with Amazon OpenSearch Service using Amazon OpenSearch Ingestion.
- User could easily deploy the solution to ingest their NoSQL data from DynamoDB to OpenSearch collection to perform complex queries and data analysis.

Bedrock Agent and Bedrock Knowledge Base Constructs

Seattle, WA

AWS CDK open-source construct

Aug. 2023 - Nov. 2023

- Created AWS CDK Construct using TypeScript, Python and Go for a newly announced Amazon Bedrock Agents and Knowledge Bases feature.
- Open-sourced construct to NPM, PyPi and GoLang repositories. Over 2000 users have downloaded and used the library in their applications.