

Daniel Kolocka

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Skills

Languages

Javascript, Python, Dart, C, C++,
SQL, pl/pgSQL

Technologies/Frameworks

Node.js, Express.js, Git, Flutter,
PostgreSQL, Docker, MongoDB

Cloud

Heroku, AWS: (Cognito, S3,
DataStore)

Professional Experience

Full Stack Software Developer, *Insighteur Inc.*

03/2021 – present

- Created application authentication and user data synchronization using Amazon Cognito to provide security credentials to access the application's backend resources in AWS
- Built the application's storage using Amazon S3 (Cloud Object Storage) to allow for the storage of objects containing user data, audio, videos, images, and text
- Utilized Flutter's camera plugin to create Instagram/Snapchat-like hybrid video recording to allow users to capture videos to be stored in the database for later access
- Played a critical role in connecting the application's front-end and back-end using Amplify DataStore to allow users to store and retrieve objects from the database with high scalability

Projects

Job Board API [🔗](#)

An API developed for a job board where employers upload jobs, and users apply to these job postings.

- Created a RESTFUL API using Node.JS with the Express framework.
- Connected the API to MongoDB as the database using Mongoose.
- Implemented error handling in express utilizing custom javascript middleware.
- Built API filters, sorting, pagination, and searching for user query customization.
- Implemented authentication and authorization using JSON Web Tokens utilizing web cookies to lessen the database usage by not relying on the storage of sessions.
- Added the following for API Security: Limiting requests, data sanitization, NoSQL injections, enabled CORS to improve the security of the API.

Crypto Orderbook - Hackathon, *Levi9 - 5 Dana u Oblacima* [🔗](#)

Top 16 finalist.

Developed a platform for an exchange dedicated to trading cryptocurrencies; deployed to the AWS cloud.

- Created a RESTFUL API using Node.JS with the Express framework.
- Connected the API to MongoDB Cloud as the database.
- Implemented functionality that accepted incoming buy and sell orders, and fulfilled trades if trade requirements were met.
- AWS Cloud Architecture Implemented:
 - API Gateway connected to Elastic Load balancer.
 - Load balancer connected to Elastic Compute Cloud (EC2) using security groups.
 - Connected ECS cluster to the Relational Database Service.

Education

B.A Computer Science, *Simon Fraser University* [🔗](#)

09/2019 – 04/2024

Minor Business, *Beedie School of Business* [🔗](#)

09/2019 – 04/2024