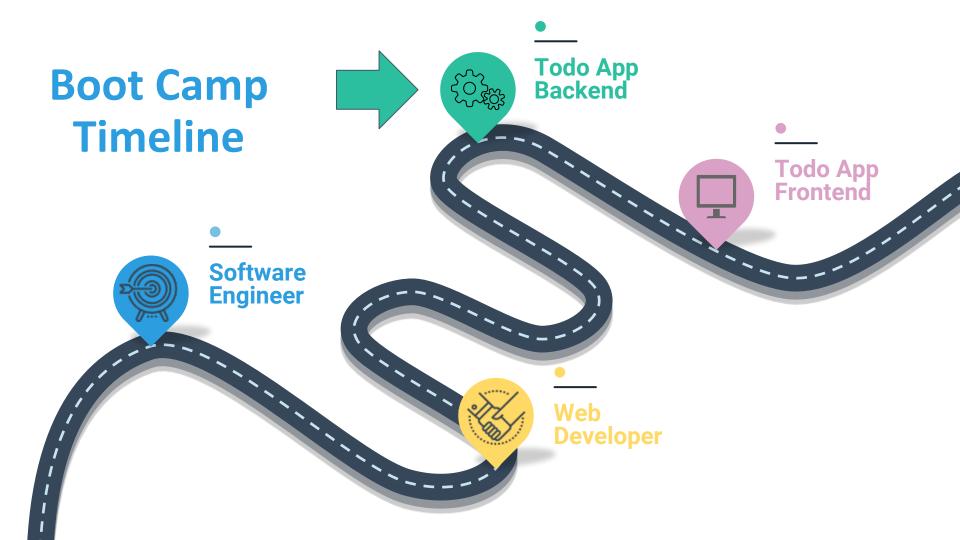


Software Engineering





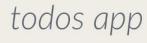


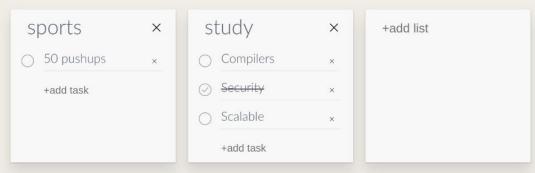
- ♦ Introduction
- Backend
 - Client-Server Architecture
 - RESTful Architecture
 - Node.js & Express
 - Database
 - Authentication
 - Postman





Todo App





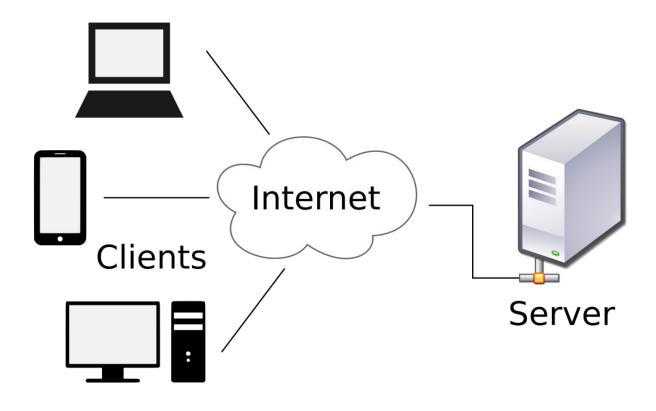






Client-Server Architecture

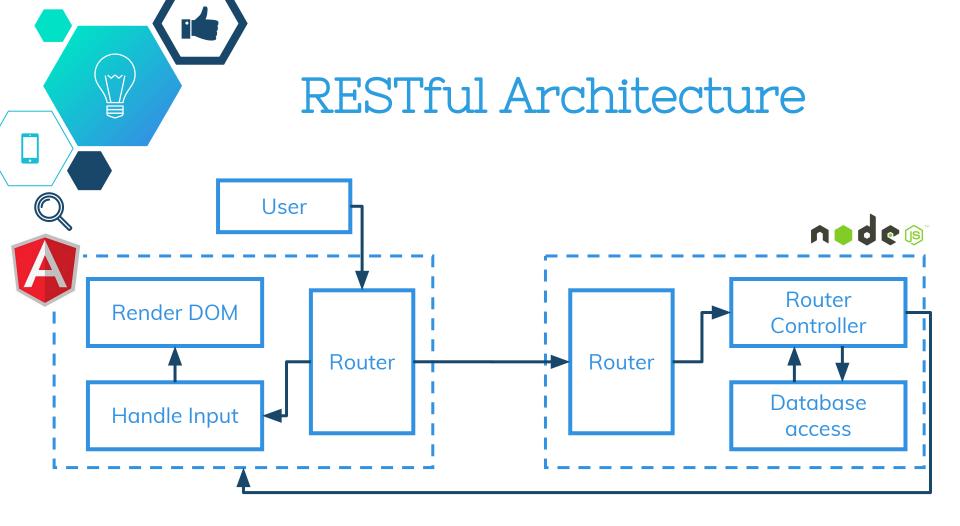
Client-Server Architecture





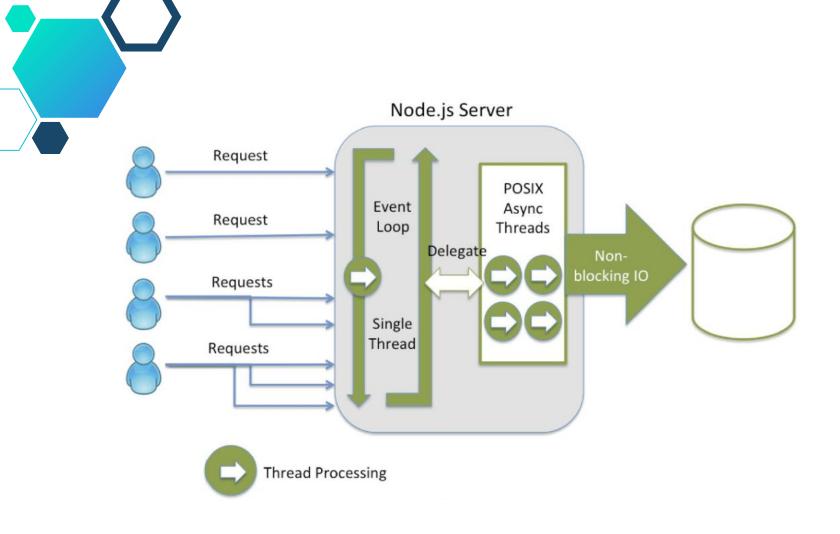


RESTful Architecture

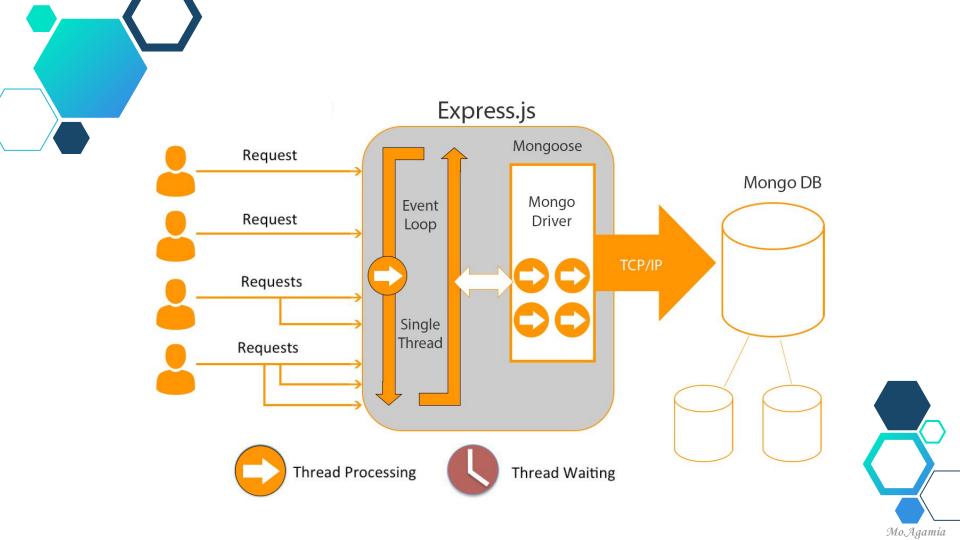




Node.js & Express











Types of Databases

- ♦ Non-relational/NoSQL
 - MongoDB
 - Redis
 - Couch DB
- Relational Databases
 - MySQL, PostgreSQL
 - Oracle database
 - IBM
 - MariaDB

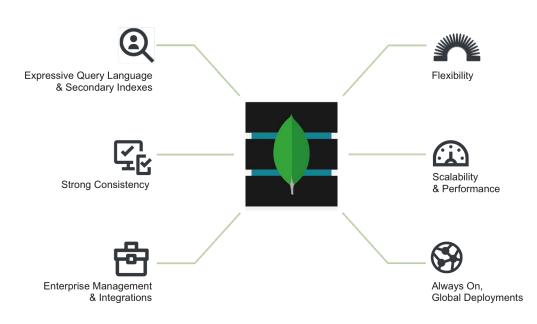








- ♦ Flexible Schema Design.
- ♦ JSON Document Model.
- Aggregation Framework & MapReduce.
- Auto-Sharing for Horizontal Scalability.
- ♦ Full, Flexible Index Support & Rich Queries.







Tokenization Authentication

Example:

- Password:4111 1111 1111
- Format Preserving Token:
 - 4111 8765 2345 1111
- Non-format Preserving Token:25c92e17-80f6-415f-9d65-7395a32u0223



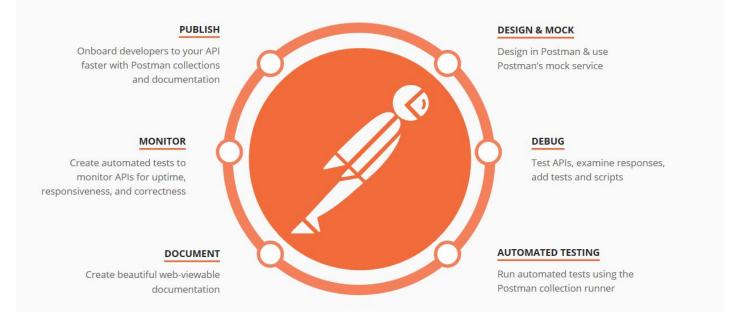




Postman

Postman's Tools Support Every Stage of the API Lifecycle.

Through design, testing and full production, Postman is there for faster, easier API development—without the chaos.







Thanks!

Any questions?

You can find me at:

- ♦ Github:
- https://github.com/MoAgamia/SE-Boot-Camp





References

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- https://www.getpostman.com/
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- https://vmokshagroup.com/blog/building-restful-apis-usi ng-node-js-express-js-and-ms-sql-server/

