



## KARIM AOUINI

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## CERTIFICATION

- AWS Cloud Practitioner
- AWS Solutions Architect (ongoing)
- LPIC-1 (ongoing)

## TECHNOLOGIES

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### Cloud

- **AWS:** Simple Storage Service (S3), Elastic Compute Cloud (EC2), Auto Scaling, Lambda, Elastic Container Service (ECS), Fargate, Relational Database Service (RDS), DynamoDB, DocumentDB, ElastiCache, Identity and Access Management (IAM), Cognito, API Gateway, Route 53, Simple Queue Service (SQS), Simple Notification Service (SNS), Elastic Beanstalk, CloudFormation, Virtual Private Cloud (VPC), Command Line Interface (AWS CLI), CloudWatch, Well-Architected Tool

## Programming Languages

### Backend:

- Javascript - ES 5, ECMA 2018, Node JS v 16/18+
- Python - v 3.10+
- AWS Lambda, API-Gateway
- NGINX, Apache, Let's Encrypt
- Rust, Go, Java (basics)

### Frontend:

- React - 18.+, Express 4.18+, TypeScript, Angular
- HTML, CSS, Javascript
- Markdown

## Infrastructure As Code

- Terraform, HCL - v 18.+
- CloudFormation
- YAML, JSON

## Containerization & Orchestration

- Docker (Compose, Swarm, ECS)
- Kubernetes

## DevOps

- GitHub, GitLab
- CI/CD
- Ansible

## Operating Systems

- Linux 5.1+ (Debian 11.+, Ubuntu 16.4+, Arch, Amazon Linux 1 & 2)
- Windows - 11, 10
- MacOS - 12, 11, 10+

## Databases

- MongoDB, DocumentDB
- CouchDB, DynamoDB
- PostgreSQL, MariaDB, MySQL, RDS
- Redis, Elasticache

## Tools

- VCS - Git, GitHub, GitLab
- Jira, Confluence, Trello, Scrum
- Vim, NeoVim, VSCode
- Sh, Bash, Zsh
- Tmux, Qtile, Alacritty
- PowerShell
- Draw.io, Excalidraw, Canva
- Miro, Figma

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# PROJECTS

## Microservices

### Burn2Read:

- A messaging system leveraging AWS API Gateway, Lambda and DynamoDB
- Users can leave a password protected message for other users. All messages are PGP encrypted through Lambda before stored in DynamoDB

## Containerization

### Battuti:

- Full Stack WebApp built on ReactJS, Express and MongoDB implementing social sign-on

via OpenIDConnect, OAuth2 and Google Identity Services.

- Users can login, then search for locations & link custom data to their Userdata.
- Location data is retrieved and displayed through OpenStreetMap & Leafly. Reverse geocoding is integrated with Nominatim API.

## Digitalization

Bellmer GmbH:

- Migration of work documentation and processes of a gastronomy into Jira, Confluence and Slack
- Automation of stock and purchase systems through Hypersoft