

# Thomas Blaauw Barbosa

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[thblaauw.github.io](https://thblaauw.github.io)

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## SKILLS

- 4 years of experience in Python
- 4 years of experience in Java
- 1 year of experience in Typescript/JavaScript
- 1 year of experience in React
- 3 years of experience in Software Architecture
- 3 years of experience with Serverless and Docker
- 3 years of experience with NoSQL/SQL databases
- 3 years of experience with highly scalable computing

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## WORK EXPERIENCE

**July 2021 - Present**

**Lead Python Developer at Inter-Con Security Systems, Pasadena, CA**

- Develop, release, and run large-scale web applications.
- Engineer and define back-end architecture for different products and internal services.
- Improve performance, reliability, scalability, and security for backend systems.
- Work and develop using monolithic and microservice-based architecture.
- Code optimization for different platforms by using multiprocessing and multithreading.
- Implement scalable solutions in Python using AWS technologies, including DynamoDB, AWS Lambdas, Cognito, S3 Buckets, Aurora RDS, and more.
- Leverage AWS and Salesforce as platforms to build solutions.
- Complete projects using different software development methodologies (i.e. Agile, Waterfall, etc).
- Create a service-oriented architecture using RESTful APIs: unit testing, and architectural design.
- Diagnose and solve problems in the existing system and propose new features for the system.
- Software maintenance through the software development lifecycle, as well as CI/CD pipelines for automated deployment.
- Coordinate with an international team to manage and complete projects in remote repositories.
- Verify that feature specifications, solution architecture, code, support documentation, and security guidelines are always followed and prepared throughout the software development life cycle.
- Work with Quality Assurance Specialists to solve reported bugs and deliver a stable application.
- Maintain functional operation of production systems.

**Nov 2020 - July 2021**

**Fidgety Boys Studios, Remote**

- One shipped title, The Adventures of Chicken Biscuit, a mobile casual game for Android.
- Designed and implemented collision detection, enemy behavior, projectile detection, player movement, and UI.
- Team leader of a group of 3 programmers. Help direct weekly runs and focus development.

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## EDUCATION

**August 2018 – December 2020 California Polytechnic State University, Pomona. B.S. in Computer Science.**

- Dean's List of Excellence from 2018 to 2020.