Thomas Blaauw Barbosa

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WORK EXPERIENCE

July 2021 - Present   **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/or 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, and more.
- Leverage AWS and Salesforce as platforms to build solutions
- Complete projects using different software development methodologies (i.e. Agile, Waterfall, and Hybrid).
- 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, 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.
- Create systems for data integration using SharePoint, Salesforce, and MS Office Suite.
- Use cryptographic modules and services to ensure secure data transfer.

Nov 2020 - Jul 2021   **Software Engineer at 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 and morale.

EDUCATION

August 2018 – December 2020 California Polytechnic State University, Pomona, Pomona B.S. in Computer Science
- Dean's List of Excellence from 2018 to 2020.
- Overall GPA: 3.5

SKILLS

Programming Languages and Technologies:
- 6 years of experience in Python
- 8 years of experience in C/C++
- 6 years of experience in Java
- 1 year of experience in Dart/Flutter
- 3 years of experience in SOQL (Salesforce-specific query language)
- 1 year of experience with YML
- 3 years of experience with NoSQL databases
- 3 years of experience with SQL databases