

# GUILHERME SALAZAR

GOIÂNIA, BRAZIL

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[GITHUB.COM/SALAZAR](https://github.com/salazar)

## EDUCATION

JAN '10–JUL '16 | COMPUTER SCIENCE, B.Sc  
*UNIVERSIDADE FEDERAL DE GOIÁS, BRAZIL*  
FIRST YEAR AND A HALF WERE AS A SOFTWARE ENGINEERING MAJOR

AUG '12–JUL '13 | COMPUTER SCIENCE, NON-DEGREE PROGRAM  
*UNIVERSITY OF SOUTH CAROLINA, UNITED STATES*  
SCHOLARSHIP GRANTED BY THE BRAZILIAN GOVERNMENT  
DEAN HONOR LIST & ALPHA LAMBDA DELTA

## EXPERIENCE

JUL '17–CUR | SOFTWARE ENGINEER  
*KONG INC.*  
PART OF THE TEAM THAT DEVELOPS AND MAINTAINS THE ENTERPRISE OFFERING OF *KONG*, THE WORLD'S MOST POPULAR OPEN-SOURCE API GATEWAY AND MICROSERVICES MANAGEMENT LAYER.

NOV '16–JUL '17 | SOFTWARE ENGINEER  
*APPBASE, INC*  
BUILDING REAL-TIME ABSTRACTIONS ON TOP OF ELASTICSEARCH; THE PRODUCT IS BASED ON OPEN-RESTY (NGINX + LUA) AND DOCKER.

DEC '15–CUR | DEVELOPER  
*THE NETBSD FOUNDATION*  
MAINTAINER FOR LUA USER AND KERNEL SPACE IMPLEMENTATIONS, AS WELL AS THE TEST SUITE FOR KERNEL LUA. I'VE DONE WORK PORTING PARTS OF LUA STANDARD LIBRARIES TO KERNEL SPACE—E.G., *BASE*, *MATH*, *IO*, *OS* AND DEVELOPING I/O BINDINGS TO FILE SYSTEMS AND SOCKETS. ([GITHUB.COM/SALAZAR/NETBSD](https://github.com/salazar/netbsd))

OCT '15–FEB '16 | SOFTWARE ENGINEERING INTERN  
*ZENEDGE, LTDA*

APR–AUG '15 | STUDENT DEVELOPER  
*GOOGLE SUMMER OF CODE, LABLUA*  
PORTED LUA TEST SUITE TO NETBSD KERNEL LUA; TESTS HAD TO BE ADAPTED TO BE FREE OFFLOATING-POINT NUMBERS AND PARTS OF LUA'S STANDARD LIBRARIES HAD TO BE PORTED USING KERNEL INTERFACES. ([GITHUB.COM/SALAZAR/LUATESTS](https://github.com/salazar/luatests))

JAN '14–JUL '15 | PROGRAMMER  
*MACRO SOFTWARES, LTDA*  
DEVELOPED AN ANDROID APP FOR PACKAGE DELIVERY MANAGEMENT ALONG WITH SPRING RESTFUL WEB SERVICES USED BY THE APP AND RELATED SOFTWARE. IT'S ON GOOGLE PLAY UNDER THE NAME "ENTREGADOR ONLINE"

JAN–JUL '13 | PROGRAMMER  
*UNIVERSITY OF SOUTH CAROLINA*  
DEVELOPED A WEB APP WITH ELECTRONIC HEALTH RECORDS (EHR) FEATURES USING GOOGLE APP ENGINE (PYTHON), ALONG WITH BOOTSTRAP AND JQUERY ON THE FRONT END. UNDER DR. [JOSÉ VIDAL](#)

2011, 2012, 2014, 2015 | TEACHING & RESEARCH ASSISTANT  
*INSTITUTO DE INFORMÁTICA, UNIVERSIDADE FEDERAL DE GOIÁS*  
◦ SEP '11–JUL '12: SMART CITIES (IoT): STUDY, EXPERIMENTATION, AND EVALUATION OF IP STACK IMPLEMENTATIONS FOR LOW-POWER DEVICES (E.G., TELOS B AND MICA Z MOTES) – UNDER DR. [BRUNO SILVESTRE](#)  
◦ MAR–SEP '11: CONCURRENT & DISTRIBUTED SYSTEMS: STUDY OF MODELS AND MECHANISMS OF COORDINATION AND COMMUNICATION IN EVENT-DRIVEN CONCURRENT AND DISTRIBUTED SYSTEMS UNDER DR. [BRUNO SILVESTRE](#)

- MAR-JUL '15: FORMAL LANGUAGES AND AUTOMATA
- MAR-JUL '14: OPERATING SYSTEMS
- AUG-DEC '11: SOFTWARE CONSTRUCTION

## SKILLS

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» PORTUGUESE (BR)	• • •	» Go	•	» GNU/LINUX	• • •
» ENGLISH (US)	• • •	» NGINX	• •	» FREEBSD	• •
» C	• • •	» OPENRESTY	• •	» NETBSD	• •
» LUA	• • •	» DOCKER	• •	» ANDROID	•
» PYTHON	• •	» AWS (EC2)	•	» VAGRANT	•
» JAVA	• •	» ELASTICSEARCH	•	» GIT	• •
» JAVASCRIPT	•	» REDIS	•	» SVN	•
» SHELL SCRIPTING	• •	» SQL	•	» CVS	•

- FAMILIAR; SMALL-SCALE PROJECTS
- • QUITE FAMILIAR; USED IN LARGER PROJECTS
- • • EXTENSIVE KNOWLEDGE

## COURSES

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JUL-AUG '12	SUMMER PRE-ACADEMIC PROGRAM <i>CHHS, UNIVERSITY OF NORTH CAROLINA, CHARLOTTE</i> 115 HOURS
JAN '10-JUL '11	ENGLISH LANGUAGE COURSE <i>CULTURAL NORTE-AMERICANO</i> 120 HOURS

## PUBLICATIONS

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- [1] BRUNO SILVESTRE, GUILHERME SALAZAR. *PROPOSTA DE UM MODELO PARA O PROCESSAMENTO DE EVENTOS CONCORRENTES NO ALUA*. ENCONTRO ANUAL DE COMPUTAÇÃO, UNIVERSIDADE FEDERAL DE GOIÁS. OCTOBER 26, 2011 (BEST PAPER AWARD)

## ASSOCIATIONS

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APR '18-CUR	USENIX – ADVANCED COMPUTING SYSTEMS ASSOCIATION
MAY '16-MAY '17	SBC – BRAZILIAN COMPUTING SOCIETY
DEC '11-CUR	ACM – ASSOCIATION FOR COMPUTING MACHINERY