

Curriculum Vitae for Stefan Bund, MS

Education

Masters' in Information Systems and Technology, Claremont Graduate University, Claremont, CA.

- Class of 2006. Specialization in Software Engineering and Machine Learning, with emphasis on Information Security and Algorithm Design
- Academic research included: algorithm design, intelligent agents, software project management, secure distributed (cloud) computing, intelligent learning systems, game systems for education and simulation, systems analysis

Bachelors of Art, Studio Art, Colgate University, Hamilton NY. Class of 1995. Cum Laude.

Professional Experience in Software Engineering and IT

Systems Consulting and Systems Analysis

Spring 2018 to current. Quantitative Finance and Market Analytics. Attracted investment to form a quantitative hedge fund, specializing in blockchain companies and cryptocurrencies. Currently writing analytic apps in Node.js to assist with risk management, with emphasis on order book analysis and trend following.

Consulting Under the Next Acropolis, LLC Brand:

Spring 2017: IOS Development for Weaponeer Systems, LLC. An IOS platform adaptation of Tha Rock, for retail brands. Will continue this project through 2017.

Summer 2017: Systems Analyst, Ayres Hotel Corporation. Provided direction to marketing for a mobile product on IOS, submitted a proposal for long term app development and program support.

Winter 2017: For Weaponeer Systems, LLC. Provided research and development on Blockchain application development (web based systems, javascript on blockchain/ Web3.js). Provided Linux systems administration and new systems development for Ethereum blockchain mining and data center facility development.

Software Engineer for iPhone/ IOS and Web Products, Tha Rock, LLC, Riverside, CA, 2014 – April 2017

Provide technical leadership in creating Tha Rock, a mobile customer relationship portal for event producers. Produce all mobile and web products and manage throughout the complete SDLC lifecycle (analysis, production, maintenance). Core skills utilized are:

- Objective-C, full suite of IOS development skills (JSON, UICollectionView, UITableView, Storyboards)
- Payment API management (pay pal, card.io)
- DevOps with Amazon Web Services for media storage, web site management, relational and NoSQL database management
- APNS for remote notifications, using Amazon's SNS/SQS products
- Identity and Key management for device security, end to end using AWS IAM and AWSIOSSDK version 2 Cognito

Chief Software Architect, [Next Acropolis](#), LLC, September 2007 to present

- Designed and implemented service-oriented architecture (SOA) systems within a cloud

computing context. Product Manager for the Next Vantage flagship, <http://nextvantage.com>

- Successfully designed and implemented Software-as-a-Service (SAAS) products, from design stage to product delivery
- Developed business plans in service of the software engineering project
- Managed funding sources and production budgets, acting as Senior Project Manager
- Orchestrated infrastructure, security, marketing, and Research and Development teams
- Programmed Java for Google Web Toolkit (GWT) as a cross-platform User Experience
- Currently focused on mobile development for iPhone and iPad, using Objective-C, Java and cloud computing (Amazon Web Services, Java, No-SQL databases, Simple Email Service, S3, RDS, DynamoDB, Simple Database Service / SDS, EC2)
- Manage Linux-based services and infrastructure, bash programming

Chief Software Architect, Ascension Software Services, LLC, July 2006 to June 2007

- Built *Ascension*, a workflow visualization platform for mortgage financing.
- Designed Ascension to function as a browser based software-as-a-service, with highly secure coding. Ascension combines Customer Relationship Management (CRM) modules inside a proprietary workflow for mortgage lending.
- Produced a working software beta to fulfill core security and availability objectives, by designing a redundant application server backbone. Applied secure coding concepts in the latest versions of PHP, MySQL and Adobe Flex.
- Create a highly available hardware configuration to meet the demands of a monolithic SAAS environment. Choose correct hardware configurations to meet the needs of the solution, including budget.
- Delivered complete software architecture specifications based on business user requirements. Provided development teams in an outsourced setting with detailed database, xml, and GUI specifications.
- Wrote extensive technical documents.
- Applied project management rubrics to construct a cost-effective program for delivering the product.
- Managed acquiring server capacity, and managed contracts with large government SAS70 data centers.
- Produced secure distributed logins over SSL VPN points, using SSL, SSH and SCP.
- Maintained a network of Cisco and Linux firewalls to audit and secure access to a DMZ for database systems.

Independent Consulting in Software Engineering, September 2002 to June 2006

Provided software engineering for clients in medical, health, education and entertainment:

- Havoc TV**, Culver City, CA, Spring / Summer 2008. Developed a database design for a new website adaptation of the successful cable channel. (MySQL, Linux, Apache, Flash). Oversee selection of hardware for server builds.
- Verizon Wireless (NYSE: VZ)**, Winter 2006-2007. Assisted lead software engineer to build an instructional platform for teaching Verizon's new cellphone products. Used rich internet applications to construct employee training systems. (Flash media)
- Alliance Imaging Corporation (NYSE: AIQ)**, Fall 2005. Provided intelligent systems engineering to construct an enterprise logistics coordination system. Created %10 efficiency improvements in the first release. (J2EE, LAMP)
- Keck Graduate Institute**, Fall 2002-Spring 2003. Delivered a suite of bioinformatics software to support high-throughput proteomics computing on the Keck Graduate Institute campus. Reverse engineered the industry standard application, ArrayExpress,

for J2EE, UNIX and MySQL platforms, decreasing the total cost of ownership for the Institute. My team's work is available [here](#).

**Professional Experience in Information Systems Engineering and Management
Business Analyst, White Pines Venture Corporation, Ann Arbor, MI, Fall 1999-
Summer 2002**

- Provided research services on new investment opportunities in the information technology industry to partners of an IPO-producing firm.

Database Administrator, UNIX Systems Administrator, McGrath Partners, San Francisco, CA, Spring 1996 – Summer 1998

- Maintained the network, database and application architecture for a government IT contractor. Ensure server quality, in terms of hardware, network connections in order to provide full uptime. Apply hardware fixes when necessary to server farm.
- Supported IT operations contracts for The Department of Justice, Alcohol, Tobacco and Firearms, and the Federal Bureau of Investigations.
- Supported new business units that expanded the firm's sales volume %30 in new legal and private markets. Client list included Giorgio Armani, Nike and Clorox, and the major San Francisco Bay Area law firms.

College Teaching Experience

Lecturer, College of Business Administration, Division of Computer Information Systems, California State Polytechnic University, Pomona, CA, 2013 – current

Provide instruction in software development and systems analysis for undergraduate concentrators in CIS. Teaching specialization in:

- Interactive Web Development (CIS 3110)
- Systems Analysis and Design (CIS 3150)
- Introduction to Programming (CIS 234)
- Fundamentals of Information Systems (3100)

Faculty of Computer Information Systems, Riverside City College, Riverside, CA 2013- 2016

Instruct large sections of undergraduates in relational databases, Excel, statistical methods, and research writing.

Part-Time Online Faculty, Coastline Community College, Costa Mesa, CA. 2009- current

Teaching online and traditional bachelors' degree courses in information systems (Python, Java, and traditional MIS frameworks like Access). <http://coastline.edu/>

Part-Time Online Faculty, University of Phoenix School of Business. 2009- current

Instructing online courses in Information Systems (Introduction to Information Systems) for students in the undergraduate Business Administration program. <http://www.phoenix.edu/>

Full-Time Faculty Member, Westwood College, School of Information Systems and Technology. Upland, California, 2002- 2013

Taught full time CIS courses in:

- Software engineering for large systems: 3-D engines (DirectX 9, C++), project management, UML and requirements engineering/analysis, algorithms, data structures, computer architecture, assembly language, compilers, web-based systems and network programming, cross-platform design and engineering
- System Administration, Microsoft and Linux environments, Security Management

- Cisco Internetwork Engineering for CCNA: Cisco IOS, VLANs, EIGRP, OSPF, VTP
- Currently mentoring student teams to produce functional game products for student portfolios and entrepreneurial student-game companies.

Industry and Trade Groups Memberships

Institute of Electronics and Electrical Engineers (IEEE) membership, 2017 current

Riverside I/O Trade Group, current member