

**The document contains the following...**

- OF612 Competency Statement.
- Current Resume.
- Letter of recommendation from employer.
- Letter or recommendation from professor.

**COMPETENCY STATEMENT (OF612 -APPLICATION FOR FEDERAL EMPLOYMENT  
SUPPLEMENTAL)**

**ERIC WEBB**

**NOVA SOUTHEASTERN UNIVERSITY**

- a. Knowledge of the techniques of the cybersecurity discipline, including encryption, access control, physical security, training, threat analysis, and authentication.

When it comes to techniques in the cybersecurity disciplines it is important to remember at a very high level the CIA security triad of confidentiality, integrity, and availability. Keeping in mind how one can affect the other is imperative to producing and maintaining a good security posture. Another technique is to have a layered security approach. Having multiple layers of security can reduce the chance of a single point of failure but can also reduce availability as mentioned in the CIA triad above.

Throughout my studies I have learned and applied a wealth of knowledge about encryption, such as using John the Ripper on Kali Linux to crack MD5SUM hashes via brute force and dictionary attacks, this was done in my undergrad and CEHV9 training. I have also written a program in Java using AES and is publicly available on my [github](#). One of my huge passions is blockchain technology which is centered around encryption and hashing. I have GPU and ASIC miners designed to solve Bitcoins hashing algorithm which is based on double SHA-256, along with other blockchain mining and Proof – of – Stake projects.

Access-control is another technique I have dealt with not only in my studies through my CEHV9 and TestOut Security Pro Certifications but is also something I have applied in the real world. In my previous vocation as a VOIP administrator we would have to create ACL to allow or block certain users from having access. Keeping in mind that policies and procedures should be in place to only allow what users need.

Physical security obviously plays a large role in cybersecurity. Concepts like access badges, security cameras, and RSA tokens seem to be the norm. Other physical security measures can include armed guards, locking data in secured storage, bollard's, and smoke detectors. Using biometrics can also be used for physical security using an eye or even a fingerprint to gain access.

Keeping users well trained has a huge impact on security posture. Having users know and implement safer policies leads to better security. An example of this is often seen by security teams purposely sending out phishing emails. They do this so that unsuspecting employees click on them and learn of their mistakes. Proactively probing the user base for easily exploited members, while simultaneously training them not to engage with emails that seem to be maliciously crafted. This is a great example of how IT teams actively engage and train employees without scheduling a meeting.

Security is all about mitigating threats. Properly analyzing these threats is an integral part in cybersecurity. At a very high level, one must create a ratio of how much it would cost for the threat to be breached vs how much it would cost to neutralize that threat. Having

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threats that are not protected leaves residual risk that must be accounted for or passed off to be mitigated through another party.

Authentication keeps data private and restricted to only the users intended to see it. As a web developer this is common using tokens such JWT or homegrown developed tokens. Concepts of cookies play a role in Authentication and in my CEHv9 training we did demonstrations of how stealing cookies could lead to unjust authentication.

- b. Knowledge of the human factors in cybersecurity, including human computer interaction, design, training, sabotage, human error prevention and identification, personal use policies, and monitoring.

Humans themselves play an integral role in cybersecurity which has led to the saying “never trust user input”. Making application interfaces easier and safer for users is a benefit of human factors. Making sure environments are sabotage proof to disgruntled works is another benefit. Having a personal use policy that is implemented and monitored is crucial to make sure there are no gaps in security. Having users that are properly trained mixed with an environment that is both user friendly and secure are the goals of human factors.

- c. Ability to identify and analyze problems, distinguish between relevant and irrelevant information to make logical decisions and provide solutions to individual and organizational problems.

I have a clear comprehension and understanding of how to distinguish between pertinent information and data that is irrelevant. This has been shown through my previous role as a VOIP network administrator, communicating issues with clients’ point of contacts to help provide solutions to their infrastructure. This has also been demonstrated through my current role as a software engineer by providing dialog in Jira story boards, designing implementations of codes, and creating test steps to help develop more secure and efficient code.

- d. Ability to consider and respond appropriately to the needs, feelings, and capabilities of different people in different situations; is tactful, compassionate and sensitive, and treats others with respect.

Respect is crucial in the workplace and having compassion for others while maintaining strict policies can be difficult. This has proven in my previous roles when communicating technical concepts with non-technical colleagues or clients. A lot of these times I had to technically prove out the opposing statements were incorrect, doing that while being tactful yet tasteful. I have been known to engage and create respectful dialog with all people and personally feel as if embracing other cultures, especially in the IT field, leads to a more progressive work environment.

- e. Ability to make clear and convincing oral presentations to individuals or groups; listens effectively and clarifies information as needed; facilitates an open exchange of ideas and fosters an atmosphere of open communication.

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Public speaking is part of an everyday workplace and is something I excel at. In my current role I have ran meetings on code sprint reviews. Creating open dialog between colleagues while facilitating responses. An open exchange of ideas is what agile development is all about and openly communicating is common using Jira and Kanban story boards. Open communication is also performed through reviewing code and leaving comments. In my previous role as a network administrator, listening skills were paramount. This was because a lot of the times clients were over the phone and you were not able to communicate face to face.

f. Ability to express facts and ideas in writing in clear, convincing and organized manners appropriate to the audience and occasion.

One of my strongest assets is communication, and I feel as if the ability to communicate clearly and effectively is my strong suite. As demonstrated in earlier text, this has been demonstrated throughout my network administration and software engineering careers. At a high level working in ticketing systems and creating content that is clear, convincing, and organized while remaining pertinent at hand is the goal of these ticketing systems. These skills have also been expressed through the writing of informative yet persuasive emails to clients and colleagues about code or network administration. An even clearer example of this is when creating documentation and testing steps for applications and IT infrastructures. I have done this throughout my vocations and not just in a learning environment. Staying on topic while making the information comprehensible is important when writing.

## **(RESUME)**

**ERIC WEBB**

[Webberic92@yahoo.com](mailto:Webberic92@yahoo.com)

<https://www.linkedin.com/in/ericwebb92/>

<https://github.com/webberic92>

**386-490-6637**

### **SEEKING CYBERSECURITY & SOFTWARE ENGINEERING POSITIONS.**

- Three years' work experience in I.T administering VOIP infrastructure for SMB customers.
- Working on 2 years' experience as an enterprise level full stack software engineer for the world's largest car rental company.
- Have my Certified Ethical Hacker Version 9 certification along with a technical certificate in Digital Forensics / Cyber Security from a CDFAE accredited school.
- Strong work ethic and eagerness to learn new technologies.
- Ability to explain complex concepts in simple terms!

## (RESUME)

### EDUCATION

- [Allworx Certified Professional](#) hosted through Allworx live training.10-15-2016.
- [TestOut Security Pro Certification](#) hosted through TestOut, 7/4/2019. (Cert#C438L)
- [Certified Ethical Hacker V9](#) hosted through the EC Council, 12/14/2017. (Cert#ECC33429246204)
- [Advanced Certificate in Cybersecurity and Digital forensics](#). Hosted through Daytona State College. Daytona Beach, FL. 5/23/2016.
- [Bachelor of Science in Information Technology](#) Daytona State College. Daytona Beach, FL. 12/9/2015  
G.P.A 3.02
- [Master's in Information Assurance and Cyber Security](#), Nova Southeastern University, Ft. Lauderdale FL.  
\*\* Currently pursuing. Current GPA 3.70, 15 of 30 credits acquired \*\*

### TECHNICAL EXPERIENCE

- Full Stack Software Engineer at [Revature](#).(Nov 2018– Present Day)
  - Revature Account Manager John Dow ([John.Dow@revature.com](mailto:John.Dow@revature.com))
  - Revature Business Development Manager George Miller ([George@revature.com](mailto:George@revature.com))

Received world class training through Revature intensive spark program.

Passed intensive panel review to become a Revature certified full stack engineer.

#### Revature Projects: (Nov 2018 – April 2019)

- Developed back end Credit Card Rewards application. (**Java, JDBC, SQL, AWS RDS**)
- Developed front end for Employee Reimbursement System. (**Java, Angular, SQL, AWS RDS**)
- Developed multiple components in music application (**Java, Angular, SQL, Hibernate, Spring**)
- Tested legacy batch management application. (**Mockito, Jest, Junit**)

#### Revature Client Projects: (Cognizant / Enterprise Holdings Incorporated) (April 2019 – Present Day)

- Cognizant Manager Sugata Das ([Sugata.Das@cognizant.com](mailto:Sugata.Das@cognizant.com))

#### Position: JAVA / AEM FULL STACK SOFTWARE ENGINEER

[ Technical Stack ] : Java, Spring, JavaScript, JSP, AEM, Git, Jira, Kanban, Junit, XML, AJAX, JSON, Postman, Curl, SOAPUI, Restful service endpoints, SPLUNK, Putty, BlackDuck, WhiteHat, SonarQube, Jalopy, and OSGI.

- Currently in my Revature work contract with [Cognizant](#), working onsite with the world's largest car rental company [Enterprise Holdings](#) in St. Louis, Mo. as a **JAVA / Adobe Experience Manager** Engineer.
- Part of the WebNextGen team in charge of legacy applications such as **Alamo.com**, **National.com**, and **TourAlamo.com** via the AEM.
- Inherited responsibility of an internal legacy application called “**TourSuperUser**”.
- Actively work **Jira** / **Kanban** story boards providing feedback, design, and documentation.
- Perform code review in an **Agile** environment approving or denying pull requests.
- Create dialog in stand-up meetings, pointing meetings, knowledge transfers, sprint reviews, and go / no go meetings.
- Review local logs and production **Splunk** logs to determine cause of issue.
- Create new components and internal applications to be used within the **AEM**.
- Constantly **debugging** applications to investigate points of failure.
- Service issues that deal with both the front-end **JS, JSP, HTML**, while also performing remediation on backend functionality dealing with **Java** and **Spring**.

## (RESUME)

- Technical Specialist at [Windstream Communications](#). (Feb 2016 – Nov 2018)
  - Manager Laurie Shaw (321-206-1636) [Laurie.Shaw@windstream.com](mailto:Laurie.Shaw@windstream.com)
  - Team Lead Daniel Spletter (386-257-4118) [Daniel.Spletter@windstream.com](mailto:Daniel.Spletter@windstream.com)
    - Administered remote Configurations, updates, and backups of **Allworx PBX** systems.
    - Telephony networking skills dealing in **SIP/RTP/TCP/DHCP/DNS/ARP/SSH/VPN's**
    - **HP/CISCO/ADTRAN** Router/PoE Switch administration involving **VLAN's /VRF's/ NAT's/MPLS**
    - Diagnosed packet captures using **Wireshark**.
    - Ran Security and **Password Audits** on the PBX.
    - Worked with 3<sup>rd</sup> party IT vendors to configure their WatchGuard / Fortinet / Netgear **Firewalls**.
    - Test and proved out connectivity to Edgewater / Edgemarc **Session Border Controllers**.
- Intern of Near Line Operations at [Frontier Communications](#). (Sept 2015 - Feb 2016)
  - Director Susan Baker (386-822-3146) [SUSAN.BAKER@FTR.COM](mailto:SUSAN.BAKER@FTR.COM)
    - Used **Microsoft Excel** to compile Calendars for Directors.
    - Worked with team leads to report back to Managers via **Microsoft Outlook**.
    - Created a **Macro** to help expedite internal processes.
    - Configure **VOIP** Conference phones.
    - Connect new users to **Network Printers**.

## References.

- Pijush Santra (Cognizant Team Lead) (314-915-1056) [Pijush.Santra@Cognizant.com](mailto:Pijush.Santra@Cognizant.com)
- Tom Barrie (Old Landlord) (386-304-4311) [tommythunder777@aim.com](mailto:tommythunder777@aim.com)
- Maxwell Vanknoppin (Owner of Maxwell House Realty) (386-405-8465) [maxwell.james@maxwellhousefl.com](mailto:maxwell.james@maxwellhousefl.com)
- Colin Kumar (Air Traffic Controller) (215-370-5023) [cmkumor@gmail.com](mailto:cmkumor@gmail.com)
- [Leelakrishna Sundaravadivel \(Software Engineer\) \(615-915-7191\)](#)

## (Letter of Recommendation from Employer)

**Name:** *Jian "James" Shen*

**Position:** *Full Stack Engineer Team lead*

**Phone Number:** *347-399-1962*

**Email:** *Jian.Shen@ehi.com*

**Organization:** *Enterprise Holdings Incorporated*

**Relation to Eric Webb:** *Team lead*

**Length known each other:** *6 months*

## **(Letter of Recommendation from Employer)**

**Assessment of potential academic success:** *Eric is a charismatic and bright individual with a strong dedication to his career and academics. I am confident he will fulfil any academic obligation that he encounters and would recommend him for opportunities that are both academic and professional.*

**Techniques of IT/Cybersecurity:** *Eric seems to be very knowledgeable in the fields of cybersecurity and is always bringing technical topics of discussion to the table, regarding cybersecurity, networking, Linux, and blockchain. He is also currently helping us migrate our internal services to use HTTPS instead of HTTP right now, thus making our applications more secure. He has also made our web-applications more secure by adding both front end and back end validations checks.*

**Human factors in cybersecurity:** *Eric has a great ability to think abstractly and from the view point of a non-technical user. This ability has led to a more secure web-application by analyzing the human factors involved in our applications and formulating how front end and back end validation can benefit the security of these applications. His experience in human factors has also led to the development of applications that are both secure and user friendly. An example of this is an internal application he designed for our employees to use when deleting failed emails from production servers. This application is both secure and easy to use from the user standpoint.*

### **Ability to identify and analyze problems, distinguish between relevant and irrelevant information:**

*In our line of work Eric has demonstrated this by reviewing logs and analyzing what data is important and what is not necessary both in local and production environments. He actively engages in online discussions questioning what information is needed to complete a task while also reporting the information gathered and why it is important.*

**Ability to consider and respond appropriately to the needs, feelings, and capabilities of different people:** *Eric is one of the more engaging members of our team, he seems to really enjoy the company of others and is always creating dialog with people of all cultures. He is very personable and easy to talk to while holding the upmost respect for his colleagues.*

### **Ability to make clear and convincing oral presentations to individuals or groups:**

*This ability has been demonstrated by Eric within our daily team stand up meetings where he creates pertinent dialog about issues at hand. He has also has ran meetings such as team retrospectives and has created convincing content through oral communication on group calls.*

## **(Letter of Recommendation from Employer)**

**Ability to express facts and ideas in writing in a clear, convincing and organized manner:**

*Eric has demonstrated this ability through emails, replying on Jira story boards, creating documentation, creating instructional confluence pages within our internal network, and by creating testing procedures to be passed to our QA team. His writing is always clear, concise, and pertinent.*

## **(Letter of Recommendation from Professor)**



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3301 College Avenue – RM#4058 · Fort Lauderdale, Florida 33314 -7796  
(954) 262-2006 · Web: <http://nsu.nova.edu/~levyy/>  
December 13, 2019

To:

2020-2021 DoD Cyber Scholarship Program

Re: Letter of Support for Eric Webb

It is my great pleasure to write this letter to express my full and utmost support of Eric Webb for the DoD Cyber Scholarship Program. I have known Eric for nearly a year now where he was a student in my ISEC615 - Fundamentals of Cybersecurity course as part of his Masters of Science Degree in Information Assurance and Cybersecurity at our university. Academically, Eric has demonstrated outstanding proficiency in the course work where he completed with a final grade of "A".

Regarding the six competency areas, Eric has demonstrated these areas in various ways during his course work. The course itself is built around the TestOut LabSim's Security Pro – which is an intensive online hands-on cybersecurity lab that provides the foundational knowledge, skills, and abilities (KSAs) needed for the CompTIA Security+ certification. As for his knowledge of cybersecurity and techniques, Eric has shown to be well versed and highly diligent in his academic performances. He has shown proficiency on the human factors that can affect cybersecurity protection including discussions we had in class on social engineering attacks and techniques (phishing, vishing, & impersonations). Eric used quick analysis and synthesis when it comes to resolving complex situations. He's very efficient and has a tactful, yet calculated way of dealing with different people and various emotional states too in a professional way. He has demonstrated his communication skills both written and oral in our online classroom via discussions and presentations.

I know that Eric would be a great addition to the Department of Defense via the Cyber Scholarship Program and highly recommend him for the program.

If you have any further questions, don't hesitate to contact me at any time.

Yours,

**Yair Levy, Ph.D.**

Professor of Information Systems and Cybersecurity

## **(Letter of Recommendation from Professor)**

Director, Center for Information Protection, Education, and Research (CIPhER) (<https://InfoSec.nova.edu/>)

National Center of Academic Excellence (CAE) in Cyber Defense Education since 2005

Head, Levy CyLab: <http://CyLab.nova.edu/>

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