

# Edward C. Delaporte V

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I apply my deep understanding of computers and strong empathy for humans to make computers better at meeting the needs of humans.

## Contact Info

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- GitHub: [EdTheDev](#)
- Resume: [Resume as PDF](#)

## Highlights

- Bachelor's Degree In Computer Science from the College of Engineering at UIUC in 2006.
- Writing software professionally since the year 2000, and unprofessionally since 1988.
- Specialized in Cybersecurity since 2006.
- Leading software development teams since 2011.
- Has built a lot of websites and integrations for a lot of purposes with a lot of different technologies.
- Applies effective work habits and great interpersonal skills.
- Cybersecurity: Hacking, Hardening, Teaching, Mentorship
- Windows Tech: Microsoft C Sharp (C#), ASP.Net, Model View Controller (MVC), Razor Partial, Active Directory, React.js, jQuery, Git, NuGet, PowerShell, Azure DevOps, Windows Subsystem for Linux
- Linux Tech: Python, WSGI, Apache, NGinx, Django, REST, JSON, LDAP, Linux shell, Syslog, SQL, GitHub enterprise, AWS, Docker, Podman, Vi

## Career

November 2019 - Present: Cybersecurity Manager of Software Development Assurance at University of Illinois, Champaign, IL

- Mentors developers, security engineers, and researchers across campus on vulnerability remediation.
- Creates open lines of communication between campus researcher developers and Cybersecurity.
- Created key resources for Open Source procedures, including a decision tree, product end-of-life language, and vulnerability disclosure.
- Established collaboration patterns supporting shared open source tools with the National Center for Supercomputing Applications (NCSA), Splunk, Energy Sciences Network (EsNet), and RokMetro.
- Manages 4 full time Cybersecurity developers (fully remote team) and student interns.
- Mentors key team leads on their path to becoming managers or architects.
- Led creation of [shared resources](#) for preventing secret disclosure, Cybersecurity code review, and automated regression testing.
- Co-chair of the Next Generation Infrastructure Strategic Automation Working Group 2020-2022.
- Mentored the development teams behind the highest volume community COVID testing response in the United States in 2020.
- Member of the GitHub Enterprise Committee, and founding member of the GitHub Enterprise Community Interest Group. Maintainer of the GitHub Enterprise Campus Community Portal.

- Member of the Technology Services Architecture Virtual Team.
- Supports overall Identity, Privacy and Cybersecurity Objectives.

## August 2018 - November 2019: Assistant Vice President - Software Development at Busey Bank, Champaign, IL

- Managed remote DevOps team of 9 software developers and 2 automation engineers for Busey Bank and FirsTech Payment processor.
- Led development secure and PCI compliant FinTech software using C#, jQuery, Git, NuGet, PowerShell, and Azure DevOps.
- Piloted the FirsTech contract solutions line of business - adding half a million new revenue.
- Led successful custom software implementations that added another \$1 million new revenue in 2018.
- Mentored developers, security engineers, networking professionals and DevOps team members in how to remediate vulnerabilities.
- Implemented development team self scanning with Accunetix.
- Led implementation of Continuous Integration (CI/CD) pipelines on AzureDevOps to improve delivery speed, reliability, security and agility.
- Led implementation of PowerShell Desired State Config to secure new web servers with less effort and greater reliability.
- Led the development team to successfully implement ongoing 100% code review.
- Onboarded the FirsTech and Busey infrastructure, networking and database teams to adopt source control and code review in support of infrastructure-as-code implementations.
- Led requirements gathering and analysis to make build, buy, or open source adoption decisions, leading to roughly 1/4 million in annual savings.

## January 2017 - August 2018: Programming Team Lead at Busey Bank, Champaign, IL

- Managed 3 full time software developer direct reports.
- Collaborated with security, infrastructure, operations and sales teams to improve custom software product offerings.
- Provided data analysis support as the organization grew from \$3.7 billion in 2015 managed assets to \$7.9 billion in 2017.

## July 2015 - January 2017: Senior IT Programmer at Busey Bank, Champaign, IL

- Guides projects through the software development life-cycle, including requirements, implementation, delivery, testing and maintenance.
- Built financial transaction websites using Microsoft C Sharp (C#), ASP.Net, Model View Controller (MVC), Razor Partial and React.js.
- Recognized as a key contributor in the integration of Pulaski Bank infrastructure.
- Presents technology training at local conferences as part of the First Busey commitment to building our community.

## November 2011 - July 2015: Lead Software Developer at Technology Services at University of Illinois, Urbana-Champaign, IL

### Lead Software Developer Responsibilities

- Researched, tested, prototyped, documented, and presented technology stack improvements for the Software Architecture Management Office.
- Worked with the identity management team to analyze improvements to our provisioning, authentication and authorization solution architectures.
- Proactively communicates with the Linux systems team to ensure support for core solution technologies.
- Trained team members in Linux, version control, Light-weight Directory Access Protocol (LDAP), web application frameworks, and deployment technologies.
- Author of the CITES Software Engineering Risk Knowledge Base (2012).
- Retired a tightly integrated, but out of date, authentication system.
- Produced integrations to maintain a consistent identity record across three campuses.

#### Interim Manager Responsibilities

- Managed 5 full time software developers.
- Regularly met one on one with developers to provide feedback and guidance.
- Proactively communicated context for upcoming organizational changes.

#### July 2010 - November 2011: Senior Software Developer at Technology Services at University of Illinois, Urbana-Champaign, IL

##### Senior Software Developer Responsibilities

- Developed applications for the Office of Privacy and Information Assurance.
- Mentored junior team members within the Software Development Group and the Office of Privacy and Information Assurance.
- Fluent in several development languages, including Python, C#, Perl, Java and PHP.
- Ensured applications comply with W3C and FAE accessibility guidelines.
- Applied extensive knowledge of the application stack to solve issues - including Active Directory, Apache, Django, JSON, LDAP, Linux shell, Syslog, SQL, and WSGI.

##### Application Security Engineer Responsibilities

- Authored the Software Development Group Standard Security Practices (2011).
- Wrote and presented security training for campus IT professionals (2010-2013).
- Established the Office of Privacy and Information Assurance Web Application Vulnerability Scanning Service (2011).
- Provided recommendations to campus stakeholders based on vulnerability scan results (2011 - 2013).
- Served as a subject matter expert for Software Development Group authentication and authorization practices and technologies.

#### March 2007 - June 2010: Software Developer at Technology Services at University of Illinois, Urbana-Champaign, IL

- Developed applications for the Office of Privacy and Information Assurance.
- Author of a series of Secure Software Development articles for campus IT professionals (2008 - 2013). A few articles are posted publicly to <https://security.illinois.edu/blog>.
- Tested modules with unittest in Python, NUnit for .Net, and JUnit for Java.

- Prototyped the team's first Django framework application. <https://security.illinois.edu/content/register-your-computer>
- Reviewed the source code of high risk applications for the Office of Privacy and Information Assurance (2009 - 2014).
- Crafted a password generation module for use in University Admissions, to provide a campus wide compliance solution to a time-sensitive audit result (2010).

March 2006 - March 2007: Software Developer at Silicon Graphics Inc. Champaign, IL

- Wrote software to track performance of supercomputers at the National Center for Supercomputing Applications (NCSA).

May 2005 - March 2006: Systems Administrator at Imaging Technology Group at Beckman Institute, U of I Champaign, IL

- Solved diverse software and hardware configuration challenges.

May 2000 - Dec 2005: Software Developer at Ablesoft Solutions Inc. Oregon, IL

- Created an elegant extensible project template which allowed us to create applications more quickly with better standard features.
- Used VB.Net, ASP.Net, ADO.Net, MS SQL Server, XML, and JavaScript to build advanced web interfaces.

## Education

Bachelors of Science Degree in Computer Science, from the College of Engineering, at the University of Illinois at Urbana-Champaign, May 2006

*Interesting coursework:*

- Wrote a binary program capable of detecting a specific manufacturing fault in a computer chip.
- Wrote a research paper on the economics of the funding of the Mozilla Foundation.
- Wrote several statistical gene analysis programs in Perl.
- Designed and simulated a pipelined computer processor for MIPS assembler.
- Classwork languages included: Java, Perl, C, C++, Visual Basic, ColdFusion, Mainframe RPG, MIPS Assembler.

## Open Source Contributions, October 2012 - Present

- [GitHub Arctic Code Vault Contributor](#) - for commits to [facebook/react-native](#), [angular/angular.js](#), [kivy/kivy](#) and more.
- [PowerShell Desired State Config \(DSC\) Module for Center for Information Security \(CIS\) Benchmarks](#)
- [Splunk SOAR](#) integrations for higher education use cases.
- [McAirpos](#) for playing [MakeCode Arcade](#) creations on [RecalBox](#) to inspire more kids to learn to code.
- Various simple command line utilities.
- And [more...](#)

## Professional Training - Highlights

- 'Kurbanetes Security' course on A Cloud Guru - May 2022

- SANS SEC 510: Public Cloud Security: AWS, Azure, and GCP, May 2021
- CampIT Enterprise Risk / Security Management, March 2021
- So many online conferences in 2020: AnsibleFest, PrivacyCon, DockerCon, MS Build, Microsoft Azure Fundamentals Workshop, Ansible Tower Workshop
- CampIT Risk Conference, February 2020
- ISACA Securing Web Applications, Insider Threats, Introduction to the MITRE ATT&CK Framework, January 2020
- Microsoft Azure Workshop: n-Tier Server Provisioning and Deployment Pipelines with Docker, 2019
- Completed Evolve: Two year internal leadership training program at Busey 2018, 2019
- Managing People to Perform - Oliver Group Inc, 2018
- Citigal OWASP Top Ten Training in 2017, 2018, 2019
- Defensive Programming for C# - Citigal 2017
- DevUp St Louis 2017, PowerShell Summit 2017
- [U of I Information Technology Manager Development \(MgrDev\) class of 2014](#)
- [DjangoCon US 2012](#) and 2013
- [U of I Information Technology Leadership Workshop \(ITLW\) class of 2011](#)
- [SANS SEC546: IPv6 Essentials](#) - 2011
- [SANS](#) On-site Secure Software Development Training

## Community Involvement

- Rotary Club of Champaign - Website Committee Chair since 2020
- Webmaster - Rotary Club of Champaign since 2018
- Hosts a free "Learn Programming!" class for elementary students at local public libraries since 2017
- OWASP Top Ten Privacy Project - Core contributor since 2015
- Handled hosting, DNS and administration of various not-for-profit websites since 2007
- [Recurring presenter](#) at Urbana IT Professionals Forum, University of Illinois Webmasters Conference, Chicago Camp IT Conferences