

# LEVI STARRETT

## SOFTWARE ENGINEER

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## Experience

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### Employment

**One Fact, Inc (onefact.net)** Lafayette, IN Jan 2016 - Apr 2019 Mar 2022 - present  
*Software Engineer, Software Architect*

- Lead the One Fact engineering team in developing xtUML modeling and code generation tools
- Responsible for projects, work with contractors, interact with clients
- Present and represent the company in meetings with clients and conference

**Faith Christian School (faithlafayette.org)** Lafayette, IN Aug 2021 - - present  
*Mathematics Teacher*

- Teach middle school pre-algebra

**Brooklyn, LLC (self-employed)** Lafayette, IN Apr 2019 - present  
*Contract Software Engineer, Consultant*

- Define, plan, execute, and deliver large software projects
- Large projects include timelines > 6 months and \$50K

**Rogo Ag, LLC (rogoag.com)** Wolcott, IN Apr 2019 - Aug 2021  
*Software Engineer, Engineering Manager*

- Independently architected and built software systems for autonomous soil sampling
- Built and tested RTK/INS based navigation systems for skid steer and wheeled robots
- Developed web applications and backend services to meet business requirements
- Designed requirements and project plans to drive progress by understanding business needs and applying engineering solutions

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### Tavel/Academic

- Recurring presenter at the xtUML Days modeling conference
- Presenter at the 2018 MODELS conference in Copenhagen, Denmark
- Delivered a software training course twice in Cheltenham, UK (2016, 2017)

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### Projects/Contributions

- Ciera model compiler (ciera.io)
  - *Author of the Ciera model compiler designed to generate complete code for xtUML and MASL applications*
  - *The compiler open source and is currently in use in enterprise applications*
- Church Member (Faith Church of Lafayette)

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## Skills

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### Technical

- Major languages: C, Python, Java, JavaScript
- Tools/Frameworks: ReactJS, Docker, Maven, AWS, BridgePoint
- Background in systems design, operating systems, compilers
- Experience in robotics, working with mechanical and electrical design constraints, embedded real-time platforms, control systems
- Well-versed in engineering process, version control, DevOps
- Strong problem-solver/integrator, able to break down complex problems to find the next step and get the job done
- Lifetime learner, always actively seeking to learn new tools and techniques as well as develop soft skills

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### Leadership

- Engineering manager (Rogo)

- *Led a team of 8 engineers to define priorities and desired results and to foster accountability*
  - *Mix of mechanical engineering, electrical engineering, software engineering team members, including working with external contractors*
  - *Like to get hands on with the product and team members and “get dirty out in the field” to assure quality.*
  - Engineering project lead at One Fact (Project Primus)
    - *Drove requirements specification, prototyping and proposals*
    - *Performed in depth analysis and provided sizing estimates for work contract*
    - *Designed and implemented features and test cases to satisfy the requirements specification*
    - *Worked on a delivery schedule and communicated with customers*
  - Undergrad Lecturer for Purdue CS 193 Tools course
    - *Primary lecturer for CS 193 Tools at Purdue University (Fall 2015). 400+ students*
    - *Cover topics such as linux, bash, vim, git, eclipse, debugging, etc*
    - *Developed much of the course material including labs, lecture slides, and demos*
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## Education

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### Purdue University

**Bachelor of Science in Computer Science**  
*focus in Systems and Software Engineering*

Dec 2016

- Undergraduate Student Board (USB) member 2014-2016
  - CS 193 lecturer Fall 2015
  - Aided in development of CS 101 (Digital Literacy) course Spring 2016
  - CS merit scholarship recipient (2015, 2016)
  - Exceptional Junior award 2015
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## References

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Available on request.