Tyler **Kuipers**

SOFTWARE DEVELOPER

Edmonton, Canada

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About Me

I am a senior level Software Developer with hands-on experience in many facets of software development including the SDLC, Agile methodologies, DevOps practices, and mentoring new developers. I am an enthusiastic, supportive team player dedicated to efficiently solving problems. I have proven experience leading teams, helping mentor junior developers, and performing well both individually and in group settings.

Work Experience

Alberta Motor Association   *Edmonton, Alberta*

INSURANCE SOFTWARE ARCHITECT   *Jan 2023 - Present*

I am working as a Software Architect on AMA's insurance systems. Responsibilities include the following:

- Architecting and developing the cloud architecture for AMA's pay-as-you-go insurance policy, accounting for > 1400 new policies sold in the first 4 months. (AWS, Terraform, Java)
- Architecting and helping to implement large updates to our online payment system, helping to enable an omnichannel experience with our insurance policies.
- Architecting and implementing a devops tool to allow our team to
  - create new testing environments in a single command, resulting in a > 90% reduction in time to create new environments. (AWS, Terraform, Python, Jenkins, Docker, Git)
  - create testing databases in a single command, resulting in drastically reduced time to diagnose production issues. (AWS, Terraform, Python)
- Architecting and developing our insurance platform's RESTful APIs to enable our online auto sales platform. (OpenAPI, Gosu, Typescript, Playwright)
- Code reviewing and testing various patches submitted by other developers. (Git, GitHub)
- Improving, enforcing, and gathering feedback on coding standards across the insurance development team, resulting in increased code maintainability and reliability.
- Helping new developers learn how to approach legacy code throughout the insurance platform.

Vinted   *Berlin, Germany*

SOFTWARE DEVELOPER   *Sept 2022 - Dec 2022*

I worked as a Software Developer at Vinted on their shipping platform.
- Working on high level design and implementation of a new shipping platform. (Ruby on Rails, Shopify)
- Writing automated tests for the new shipping platform.

Arterys Inc. (Aquired by Tempus Labs)   *Calgary, Alberta (Remote)*

SOFTWARE DEVELOPER   *Aug 2021 - Aug 2022*

I worked as a Software Developer for Arterys on their core platform. Responsibilities include the following:
- Working to integrate various medical detection AI models onto our platform. (Typescript, NodeJS)
- Various bug fixes and feature enhancements throughout the product. (Typescript, NodeJS)
- Working to lower turn-around-time on results of our AI algorithms. (AWS, Chef, Redis)
- Code reviewing and testing various patches submitted by other developers. (Git, GitHub)
- Helping new developers learn how to develop our product suite.
- Monitor logs and other health checking platforms for problems before clients are impacted. (Elastic, FullStory, Kibana)

Alberta Motor Association   *Edmonton, Alberta*

SOFTWARE DEVELOPER | SOFTWARE TEAM LEAD   *Jun 2018 - Feb 2021 | Feb 2021 - Aug 2021*

I worked as a Software Developer for AMA's Insurance Division, doing development on its core insurance product. Responsibilities included the following:
- Leading a team of developers working on the AMA's PolicyCenter implementation. (Gosu)
- Leading another team contributing to an organization-wide standards initiative.
- Performing scrum master responsibilities to increase team efficiency. (VSTS, Agile)
- Suggesting and facilitating improvement ideas brought forward by the insurance development team.

I also brought success to our department in the following ways:
- Led an initiative designing and programming the test framework. It has led to a sharp reduction in bugs throughout following projects.
- Planned and implemented the solutions used for online payment on AMA's website, utilizing third-party APIs and Guidewire. (Gosu, JS, OAuth)
- Supported my team through knowledge transfer, guidance, and open dialogue.
- Participated in upgrade assessment with Guidewire to determine the scope and amount of work required to upgrade AMA's instance of Guidewire to the cloud.

Pleasant Solutions   *Edmonton, Alberta*

SOFTWARE DEVELOPER   *Jan 2018 - Jun 2018*

I worked as a full-stack developer on projects highly customized to the client's needs.
- Created the HMI for a concrete distribution plant (C#, TDD).
- Gained experience in leadership roles for small projects.

Lockheed Martin Canada   *Halifax, Nova Scotia*

Software Engineer Associate   *Jan 2017 - Jan 2018*

Worked as an associate software engineer developing software to be used in CMS 330.

- Contributed to an internal research project, implementing a Data Fusion module for use with Combat Management Systems. (Java, XML, SQL, Oracle ESB)
- Worked to develop software modules responsible for the management and status of various underwater sensors. (Java, Swing)
- Worked in an Agile SCRUM environment.

The King's University   *Edmonton, Alberta*

Software Developer/Research Assistant   *May 2014 - Sep 2016*

Worked as a full stack developer; designed and implemented an approach to dynamically reference items both spatially and temporally.

- Designed and built a website that researchers could input information into; viewers could see the data and explore it. (PHP, HTML, VanillaJS, PostgreSQL, PostGIS)
- Researched the method utilized and authored an undergraduate thesis documenting my contribution to the Edmonton River Atlas Website. (LaTeX)

Education

The Open University   *Milton Keynes, England (Remote)*

MSc. Computing (Software Engineering)   *May 2024 - Ongoing*

Currently pursuing Master's in Computing at The Open University.

The King's University   *Edmonton, Alberta*

B.S. in Computer Science   *Sep 2012 - Dec 2016*